

CURRICULUM VITAE

Adil M. Wadia, Ph.D., F.G.S.
Associate Professor of Geosciences and Coordinator
The University of Akron Wayne College
1901 Smucker Road
Orrville, OH 44667
Telephone: 330-684-8905
E-mail: amwadia@uakron.edu

EDUCATION

Doctor of Philosophy (Ph.D.), Physical Geography, Indiana State University, Terre Haute, Indiana, 2004. *Dissertation Advisor: Dr. Paul W. Mausel.*

Master of Arts (M.A.), Geology, Indiana State University, Terre Haute, Indiana, 1998. *Thesis Advisor: Dr. Prodip K. Dutta.*

Master of Science (M.Sc.), Geology, St. Xavier's College, University of Bombay, Bombay, India, 1994.

Bachelor of Science (B.Sc.), Geology, St. Xavier's College, University of Bombay, Bombay, India, 1992.

RELATED EDUCATIONAL EXPERIENCE

Field Experience (1991-2001)

Fieldwork for Soil Classification and Analysis Conducted in Champaign County, Illinois.

Fieldwork for Biogeography Conducted in Keiwig Woods, West Terre Haute, Indiana.

Vegetation and Soil Sampling Conducted in Keiwig Woods, Landsbaum Forest, Hemmer Woods, Indiana, and Beall Woods, Illinois.

Surveying and Mapping of Keiwig Woods, Illinois, Building on Previously Surveyed System of Hubs, Using a Brunton Compass and Chaining.

River-Channel Cross Sections and Flow Determination While Canoeing on Sugar Creek, Turkey Run State Park, Indiana.

Geology Fieldwork Conducted in St. Francois Mountains, Missouri.

Organized and led several field-trips for undergraduate students' to Cagles Mill and Cataract Falls, Indiana.

Geology Fieldwork Conducted in Karwar, Karnataka; Goa; Mount Abu, Rajasthan; Elephanta Caves, Close to Bombay, India.

Fieldwork for Electrical Resistivity at Selected Areas of Bombay, India.

Fieldwork for Provenance and Dispersal of Beach Deposits at Selected Beaches of Bombay, India.

Laboratory Experience (1991-2003)

Laboratory Analysis Carried Out for Soil Sampling.

Remote Sensing and Geographic Information Systems (GIS), Global Positioning System (GPS), and Cartographic Experience for Numerous Projects.

Constructed the Paleomagnetism Laboratory at the Department of Geography, Geology, and Anthropology, Indiana State University.

Set up Indiana State University's First Seismometer and Monitored it for Earthquakes Worldwide.

Experience Using X-ray diffractometer for X-ray diffraction (XRD) Analysis.

Extensive Experience for Mineralogical, Petrological, and Gemmological Analysis.

Sample Preparation for Mineralogical, Petrological, Oxygen Isotope, and X-ray Diffraction Analysis.

Advanced Knowledge of Data Analysis and Statistical Techniques for Various Projects.

HONORS AND AWARDS

Ten Distinguished Alumni, Department of Geology, St. Xavier's College, Bombay, India, April 2013.

Associate Editor, Association for Regional Campuses of Ohio (AURCO), Summer 2012 - Spring 2013.

Associate Editor, The International Journal of Learning, volume 18, issue 10, August 2012.

Elected as a **Fellow** of the *Geological Society of London*, United Kingdom, June 17, 2009.

Appointed as an **Associate Editor** to the editorial board of *Agronomy Journal*, American Society of Agronomy, October 10, 2008 through December 31, 2011.

Certificate of Achievement-Teaching and Learning Certificate, In Recognition of Commitment to Professional Growth and Dedication to Students, Institute for Teaching and Learning, The University of Akron, Fall 2008.

Certificate of Appreciation for time, effort and dedication to the students of Wayne College 2007 - 2008, Clubs and Organizations Leadership Awards, The University of Akron Wayne College, May 9, 2008.

Benjamin Moulton Geography Award for **Outstanding Graduate Ph.D. Student**, Department of Geography, Geology, and Anthropology, Indiana State University, April 2004.

Student Assistant Recognition Award, Cunningham Memorial Library, Indiana State University, April 2004.

Educational Excellence Award for Teaching, College of Arts and Sciences, Indiana State University, April 2003.

Distinguished Student Worker Award, Indiana State University, April 2003.

Certificate of Appreciation for Contributions in Furthering the Goals and Work of the Cunningham Memorial Library, Indiana State University, May 2000.

Post-Graduate Merit Scholarship, University of Bombay, 1992-93.

Honorable Maj. C. Fernandes Gold Medal for Proficiency in Studies and Other Spheres of College Life, St. Xavier's College, December 1992.

Honors Program Graduate of the Department of Geology, St. Xavier's College, September 1992.

Elected to the Executive Committee of the Students' Union Council, St. Xavier's College, 1989-1990.

Class Representative, St. Xavier's College, 1989-1990.

CURRENT MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

American Association for the Advancement of Science (AAAS)
Geological Society of America (GSA)
Geological Society of London (GSL)
American Society of Agronomy (ASA)
Crop Science Society of America (CSSA)
Soil Science Society of America (SSSA)
The Ohio Academy of Science (OAS)

TEACHING

Appointments

Associate Professor of Geosciences, The University of Akron Wayne College, Fall 2011-Present

Area Coordinator, The University of Akron Wayne College, Fall 2006-Present.

Adjunct Faculty Member, Hiram College, Spring 2014.

Adjunct Faculty Member, Kent State University Stark Campus, Summer 2009, 2010, 2011, and 2012.

Assistant Professor of Geology, The University of Akron Wayne College, Fall 2005-Summer 2011.

Adjunct Faculty Member, Ashland University, Fall 2010 and Spring 2011.

Adjunct Faculty Member, Department of Geography, Geology, and Anthropology, Indiana State University, Fall 2004.

Graduate Teaching Assistant, Department of Geography, Geology, and Anthropology, Indiana State University, 1994-2003.

Instructor for Advanced Geographic Information Systems (GIS) Institute for the 21st Century Workshop, Funded by the National Science Foundation (NSF), Indiana State University, Summer 1997.

Certificate of Teaching for Completing the Teaching Assignment to Second Year Undergraduate Students' in Geology, During my Final Year of Undergraduate Study for the Degree of Bachelor of Science in Geology, St. Xavier's College, Bombay (1992). Topics covered: *Mid-Proterozoic Stratigraphy of India* (4

Lectures), Interior of the Earth and Heat Flow Values (4 Lectures), and Drainage Patterns (2 Lectures).

List of Classes Teaching at The University of Akron Wayne College

Classes	Credits	Semester
The Akron Experience: University 101		Fall 14
Dinosaurs	1	Fall 05, Summer 06, Summer 07, Fall 07, Summer 08, Fall 08, Fall 09, Fall 10, Spring 11, Fall 11, Fall 12, Summer 13†, Fall 2013*** Summer 14†, Fall 14, Summer 15†, Fall 15****, Fall 15
Earth Science	3	Fall 05, Summer 06, Summer 07, Fall 07, Summer 08, Fall 08, Summer 09, Fall 09, Summer 10, Fall 10, Summer 11, Fall 11, Summer 12, Spring 13, Summer 13, Summer 14†, Fall 15
Environmental Geology	3	Fall 05, Spring 06, Summer 06, Fall 06, Spring 07, Fall 07, Spring 08, Fall 08, Spring 09, Summer 09, Fall 09, Spring 10, Summer 10, Fall 10, Spring 11, Summer 11, Fall 11, Spring 12, Summer 12, Fall 12, Spring 13, Summer 13, Fall 2013, Spring 14, Summer 14†, Fall 14†, Spring 15, Summer 15
Exercises in Environmental Geology	1	Fall 05, Spring 06, Summer 06, Fall 06, Spring 07, Fall 07, Spring 08, Fall 08, Spring 09, Summer 09, Fall 09, Spring 10, Summer 10, Fall 10, Summer 11, Fall 11, Spring 12, Summer 12, Fall 12, Spring 13, Summer 13, Fall 2013, Spring 14, Summer 14, Fall 14, Spring 15, Summer 15
Geology of Ohio	1	Fall 05, Spring 06, Summer 06, Fall 06, Spring 07, Summer 07, Fall 07, Spring 08, Summer 08, Fall 08, Spring 09, Summer 09, Fall 09, Spring 10, Summer 10, Fall 10, Spring 11, Fall 11, Spring 12, Summer 12, Fall 12**, Spring 13, Summer 13†, Fall 2013, Spring 14, Summer 14, Fall 14, Spring 15, Fall 15
Ice Age and Ohio	1	Spring 06, Spring 07, Spring 08, Spring 09, Spring 10, Spring 11, Spring 12, Spring 13, Spring 14, Spring 15, Summer 15
Introduction to Geographic and Land Information Systems (lecture and laboratory)	3 and 0	Fall 06
Introduction to Geography	3	Summer 11, Fall 12, Fall 2013**, Spring 14, Fall 14

Natural Science: Geology	3	Fall 05, Spring 06 (2 Sections), Summer 06, Fall 06, Spring 07 (2 sections), Summer 07, Spring 08 (2 sections), Fall 08, Spring 09 (2 sections), Fall 09*, Spring 10 (2 sections), Fall 10, Spring 11 (2 sections), Fall 11, Spring 12 (2 sections), Fall 12, Spring 13, Fall 2013, Spring 14, Fall 14, Spring 15 (2 sections), Fall 15****, Fall 15
Natural Science: Geology (Honors)	3	Fall 07

*Loudonville High School

**Medina County University Center

***Wadsworth High School

****Black River High School

†Distance Learning

List of Classes Taught at Ashland University

Class	Credit Hours	Semester
Natural Disasters	3	Fall 10, Spring 11

List of Classes Taught at Hiram College

Class	Credit Hours	Semester
Environmental Geology (Lecture and Laboratory)	4	Spring 14

List of Classes Taught at Kent State University Stark Campus

Classes	Credit Hour(s)	Semester
Earth Dynamics	3	Summer I 11, Summer I 12
Earth Dynamics Laboratory	1	Summer I 11, Summer I 12
Earth History	3	Summer III 09, Summer I 10, Summer III 12
Earth History Laboratory	1	Summer III 09, Summer I 10 (2 sections), Summer III 12

List of Classes Taught at Indiana State University

Classes*	Credit Hour(s)	Semester	Number of Sections
GEOL 160 L	1	Fall 1994	2

GEOL 160 L	1	Spring 2004	2
GEOL 160 L	1	Fall 1995	2
GEOL 160 L	1	Spring 1996	2
GEOL 160 L	1	Summer 1996	1
GEOL 160 L	1	Fall 1996	2
GEOL 160 L	1	Spring 1997	2
GEOL 160 L	1	Summer 1997	1
GIS	Workshop for GIS for the 21 st Century	Summer 1997	
GEOG 111 L	1	Spring 1998	1
GEOG 111 L	1	Fall 1998	2
GEOG 111	3	Fall 1999	1
GEOG 111	3	Spring 2000	1
GEOG 111	3	Summer 2000	1
GEOG 111	3	Fall 2000	1
GEOG 111	3	Spring 2001	1
GEOG 111	3	Summer 2001	1
GEOG 111	3	Fall 2001	1
GEOG 111	3	Spring 2002	1
GEOG 111	3	Summer 2002	1
GEOL 160	3	Summer 2002	1
GEOG 111	3	Fall 2003	1
GEOL 160	3	Spring 2003	1
GEOL 160	3	Summer 2003	1
GEOG 111 L	1	Fall 2003	1
GEOG 111	3	Fall 2004	2

Classes*
 GEOG 160 L: Introduction to Earth and Sky Science Laboratory Class
 GEOL 111 L: The Physical Environment Laboratory Class
 GEOG 111: The Physical Environment Lecture Class
 GEOG 160: Introduction to Earth and Sky Science Lecture Class

RESEARCH

Published Paper, Abstracts, and Conference Program

Wadia, A. M. (2015-accepted). Geochemical & Petrographic Analyses of Volcanic Ash in the Formation of Chert, *Geological Society of America Annual Meeting Abstracts with Programs, November 1-4, 2015, Baltimore, Maryland.*

Wadia, A. M. (2015). Silica Enrichment in a Volcanic Setting Using Petrographic Analyses and Mass Balance Calculations Using Trace Element Zircon, *Journal of Geological Resource and Engineering, volume: 3, number: 2, page: 108-117.*

- Wadia, A. M. and Clark III. W. B.** (in press). Novel Way in Teaching Soil Science, *The Ohio Journal of Science, The Ohio Academy of Science, Columbus, Ohio.*
- Wadia, A. M.** (2013). Mass Balance Calculations Using Trace Element Zircon to Indicate Silica Enrichment in a Volcanic Setting, (**Advances in Quantitative Sediment Provenance Research: Novel Approaches from Multi-Proxy Provenance Data to Provenance Modeling I**), *125th Anniversary of Geological Society of America, Geological Society of America Annual Meeting Abstracts with Programs, October 27-30, 2013, Denver, Colorado, volume: 45, number: 7.*
- Wadia, A. M.** (2011). An Innovative Approach towards Teaching Soil Science, *International Annual Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, October 16-19, 2011, San Antonio, Texas.*
- Wadia, A. M.** (2008). Comparison of Unsupervised Classification and Principal Component Analysis Using Hyperspectral Remote Sensing Data for Classifying Mollisols, (**Digital Detection, Interpretation, and Mapping of Soil, Sediments and Bedrock**), *Paper Presentation at the Joint Annual meeting of the Geological Society of America, American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, Gulf Coast Association of Geological Societies with the Gulf Coast Section SEPM, Abstract with Programs, October 5-9, 2008, Houston, Texas.*
- Wadia, A. M.** (2007). Can Chemical Weathering of Volcanic Ash Result in the Formation of Chert? *Geological Society of America Annual Meeting, Abstracts with Programs, October 28-31, 2007, Denver, Colorado, volume: 39, number: 6.*
- Wadia, A. M.** (2006). Multiple Regression of Selected Soil Parameters-Nutrients and their Effects on Hyperspectral Remote Sensing Date for Soil Classification, *International Annual Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, November 12-16, 2006, Indianapolis, Indiana.*
- Wadia, A. M.** (2006). The Various Techniques in Explaining Geologic Time and Certain Concepts in Explaining Relative Ages of Rock Formations, *Conference Programs, 13th International Conference on Learning, June 22-25, 2006, Montego Bay, Jamaica.*
- Wadia, A. M.** (2006). Teaching Principles of Relative Dating in Relationship to Everyday Activities, *Geological Society of America, North Central Meeting, Abstracts with Programs, April 20-21, 2006, Akron, Ohio, page: 12.*
- Wadia, A. M.** (2003). Statistical Analysis of Hyperspectral Remote Sensing Data for Soil Classification, *2003 Annual Meeting of the American Society of Agronomy, Crop*

Science Society of America, and Soil Science Society of America, November 2-6, 2003, Denver, Colorado.

Wadia A. M. and Nayeri S. (2002). Soil Classification Using Hyperspectral Remote Sensing Data: Application for Natural Resource Management, *2002 Annual Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, November 10-14, 2002, Indianapolis, Indiana.*

Wadia, A. M. and Dutta, P. K. (1998). Chemical Weathering of Volcanic Ash as a Probable Origin of Chert in the Reid's Mistake Formation of the Newcastle Coal Measures, Sydney Basin, Australia. *Paper Presentation at The Second Undergraduate/Graduate Showcase, Indiana State University, April 3-4, 1998.*

Conference Presentations

Wadia, A. M. (2015-accepted). Geochemical & Petrographic Analyses of Volcanic Ash in the Formation of Chert, *Geological Society of America Annual Meeting Abstracts with Programs, November 1-4, 2015, Baltimore, Maryland.*

Wadia, A. M. (2013). Mass Balance Calculations Using Trace Element Zircon to Indicate Silica Enrichment in a Volcanic Setting, (**Advances in Quantitative Sediment Provenance Research: Novel Approaches from Multi-Proxy Provenance Data to Provenance Modeling I**), *125th Anniversary of Geological Society of America, Geological Society of America Annual Meeting Abstracts with Programs, October 27-30, 2013, Denver, Colorado.*

Wadia, A. M. (2011). An Innovative Approach towards Teaching Soil Science, *Paper Presentation at the 2011 International Annual Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, October 16-19, 2011, San Antonio, Texas.*

Wadia, A. M. (2008). Comparison of Unsupervised Classification and Principal Component Analysis Using Hyperspectral Remote Sensing Data for Classifying Mollisols, (**Digital Detection, Interpretation, and Mapping of Soil, Sediments and Bedrock**), *Paper Presentation at the Joint Annual meeting of the Geological Society of America, American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, Gulf Coast Association of Geological Societies with the Gulf Coast Section SEPM, Abstract with Programs, October 5-9, 2008, Houston, Texas.*

Wadia, A. M. (2007). Can Chemical Weathering of Volcanic Ash Result in the Formation of Chert? *Paper Presentation at the Geological Society of America Annual Meeting, October 28-31, 2007, Denver, Colorado.*

- Nayeri, S. S. and **Wadia, A. M.** (2007). Remote Sensing for Soil and Water Management, *Applied Geography Conference, October 17-20, 2007, Indianapolis, Indiana.*
- Wadia, A. M.** (2006). Multiple Regression of Selected Soil Parameters-Nutrients and their Effects on Hyperspectral Remote Sensing Date for Soil Classification, *Paper Presentation at the 2006 International Annual Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, November 12-16, 2006, Indianapolis, Indiana.*
- Wadia, A. M.** (2006). Teaching Principles of Relative Dating in Relationship to Everyday Activities, *Geological Society of America, North Central Meeting, April 20, 2006, Akron, Ohio.*
- Wadia, A. M.** (2006). Application of Servant-Leadership in a Classroom Environment, *Celebration of Excellence in Learning and Teaching, Institute for Teaching and Learning, April 14, 2006, The University of Akron, Akron, Ohio.*
- Wadia, A. M.** (2006). Rock Cycle Without Being in a Loop, *AURCO, April 8, 2006, The University of Akron Wayne College, Orrville, Ohio.*
- Wadia, A. M.** (2003). Statistical Analysis of Hyperspectral Remote Sensing Data for Soil Classification. *Paper Presentation at the 2003 Annual Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, November 2-6, 2003, Denver, Colorado.*
- Wadia A. M.** and Nayeri S. (2002). Soil Classification Using Hyperspectral Remote Sensing Data: Application for Natural Resource Management. *Paper Presentation at the 2002 Annual Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, November 10-14, 2002, Indianapolis, Indiana.*
- Wadia, A. M.** and Nayeri S. (2001). Investigating Methods for Precision Agriculture Using Hyperspectral Remote Sensing Data of Soils. *Poster Presentation at the Third International Conference on Geospatial Information in Agriculture and Forestry, November 5-7, 2001, Denver, Colorado.*
- Wadia, A. M.** and Dutta, P. K. (1998). Chemical Weathering of Volcanic Ash as a Probable Origin of Chert in the Reid's Mistake Formation of the Newcastle Coal Measures, Sydney Basin, Australia. *Paper Presentation at The Second Undergraduate/Graduate Showcase, April 3-4, 1998, Indiana State University.*

Manuscripts**Ph.D. Dissertation**

Classifying Mollisol Soils Using Hyperspectral Remote Sensing Data (2004), *Indiana State University*.

Master of Arts Thesis

Chemical Weathering of Volcanic Ash as a Probable Origin of Chert in the Reid's Mistake Formation of the Newcastle Coal Measures, Sydney Basin, Australia (1998), *Indiana State University*.

Undergraduate

Electrical Resistivity Method for Subterranean Exploration for Groundwater at Various Locations in Bombay (1992), *St. Xavier's College*.

Study of Thermal Springs on the Outskirts of Bombay (1992), *St. Xavier's College*.

Provenance and Dispersal of Beach Deposits at Selected Areas in Bombay (1992), *St. Xavier's College*.

REVIEWER-REFEREE-DISCIPLINE RELATED SERVICE**Accuracy Check**

Accuracy Check for EZ Test Problems (Inquiry and Application) for **Principles of Environmental Science** by William Cunningham and Mary Ann Cunningham, Seventh Edition, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Fall 2012).

Accuracy Check for Interactive Questions for **Environmental Science A Global Concern** by William P. Cunningham and Mary Ann Cunningham, Twelfth Edition, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Fall 2011).

Accuracy Check for New Digital Geography content for **Contemporary World Regional Geography** by Michael Bradshaw, George W. White, Joseph P. Dymond, Elizabeth Chacko, Fourth Edition, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Fall 2011).

Authoring PowerPoint Lecture Outlines

Authored Power Point Lecture Outlines for **Geology and the Environment** by Bernard Pipkin, D. D. Trent, Richard Hazlett, and Paul Bierman, Seventh Edition, *Brooks/Cole Cengage Learning, Belmont, CA 94002-3098* (Fall 2012).

Book Chapters Reviewed

Introduction to Geography by Getis, Bjelland, and Getis, Fourteenth Edition, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Fall 2013).

Chapter 4. Physical Geography: Weather and Climate
Chapter 6. Cultural Geography

Physical Geology by Plummer, Carlson, and Hammersly, Fourteenth Edition, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Summer 2013).

Chapter 2 - Atoms, Elements, and Minerals
Chapter 5 - Weathering and Soil
Chapter 6 - Sediment and Sedimentary Rocks

Environmental Geology by Carla W. Montgomery, Ninth Edition, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Fall 2011).

Chapter 2 - Rocks and Minerals - A First Look
Chapter 3 - Plate Tectonics
Chapter 11 - Water as a Resource
Chapter 12 - Soil as a Resource

Geology and the Environment by Bernard Pipkin, D. D. Trent, Richard Hazlett, and Paul Bierman, Sixth Edition, *Brooks/Cole Cengage Learning, Belmont, CA 94002-3098* (Fall 2011).

Chapter 2 - The Earth System and Climate Change
Chapter 12 - Arid Lands, Winds, and Desertification

Introduction to Geography by Arthur Getis, Judith Getis, Mark Bjelland, Jerome D. Fellmann, Thirteenth Edition, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Fall 2011).

Chapter 10 - Economic Geography
Chapter 11 - An Urban World

Physical Geology by Charles C. Plummer and Diane H. Carlson, Twelfth Edition, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Spring 2008).

Chapter 2 - Atoms, Elements, and Minerals

Chapter 3 - Igneous Rocks, Intrusive Activity, and the Origin of Igneous Rocks

Investigating the Ocean by R. Mark Leckie and Richard F. Yuretich, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Fall 2007).

Chapter 3 - The Water in the Ocean (1st Draft)

Chapter 4 - Dynamics of the Ocean-Climate System (1st Draft)

Essentials of the Living World by George B. Johnson and Jonathan N. Loscos, Second Edition, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Fall 2007).

Chapter 28 - Maintaining the Internal Environment (Reviewed the Second Edition Chapter for the Third Edition)

Environmental Geology by James Reichard, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Summer and Fall 2006).

Prospectus (1st Draft)

Table of Contents (1st Draft)

Chapter 11 - Water Resources (1st Draft)

Chapter 12 - Mineral and Rock Resources (1st Draft)

Chapter 13 - Conventional Energy Sources (1st Draft)

Chapter 14 - Alternative Energy Sources (1st Draft)

Chapter 15 - Waste Disposal and Pollution (1st Draft)

The Good Earth: An Introduction to Earth Science by David McConnell, David Steer, Catharine Knight, Katharine Owens, and Lisa Park, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Fall 2005 and Spring 2006).

Chapter 14 - The Atmosphere

Chapter 15 - Weather Systems

Chapter 16 - Earth's Climate System

Chapter 17 - Global Change

Exploring Geology by Stephen Reynolds, Julia Johnson, Michael Kelly, Paul Morin, and Chuck Carter, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Fall 2005-Spring 2006).

Chapter 1 - The Nature of Geology (2nd Draft)

Chapter 2 - Investigating Geologic Questions (2nd Draft)

Chapter 3 - Plate Tectonics (2nd Draft)

Chapter 10 - Ocean Basins and Their Margins (1st Draft)

Chapter 11 - Mountains and Continents (1st Draft)

Chapter 12 - Earthquakes and Earth's Interior (1st Draft)

Chapter 13 - Climate, Weather, and Their Influences on Geology (1st Draft)
Chapter 14 - Shorelines, Glaciers, and Changing Sea Levels (1st Draft)
Chapter 15 - Weathering, Soils, and Slope Stability (1st Draft)
Chapter 16 - Rivers and Streams (1st Draft)
Chapter 17 - Water: Our Most Important Resources (1st Draft)
Chapter 18 - Energy and Mineral Resources (1st Draft)
Chapter 19 - Geology of the Solar System (1st Draft)

Earth Science, by Edward J. Tarbuck and Frederick K. Lutgens, Eleventh Edition,
Publishers: Pearson Prentice Hall Publishers, Upper Saddle River, NJ 07458
(Fall 2005).

Conference Article Review

New Metrics of Praxiological Values in Innovation Systems, The 14th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2010 (May 2010).

Discipline Related Service

Contributor to the **Ask A Mineralogist** forum (for responding to questions pertaining to mineralogy, petrology, geochemistry, and related categories) on the Mineralogical Society of America's website.

Journal Articles

Agronomy Journal (Peer Reviewed)

Sowing Date and Tillage Effects on Fall-Seeded Camelina in the Northern Corn Belt (December 2010).

Using Remote Sensing to Assess the In-Season Nitrogen Status of Perennial Ryegrass for Seed Production (*two drafts*: March 2010 and May 2010).

G x E x M Interaction of Factors Influencing Yield in the Tea Growing Areas of North East India (July 2009). *Resubmitted titled as* Effects of Plant Age and Environmental and Management Factors on Tea Yield in North East India (March 2010).

An Active Sensor Algorithm for Corn N Recommendations Based on a Chlorophyll Meter Algorithm (January 2010).

Effects of Soil and Topographic Properties on Spatial Variability of Corn Grain Ethanol Yield (December 2009).

Evaluating Satellite Imagery as a Tool to Predict Winter Biomass Production in the Southeastern Coastal Plain (*two drafts*: January and April 2009).

Using the WISE database to Parameterize Soil Inputs for Crop Simulation Models (March 2006).

AURCO Journal (Peer Reviewed)

Service Learning and Student Engagement in the Learning Process (October 2011).

Collaboration Between Faculty and Librarians to Improve Students' Information Literacy Skills (October 2009).

The Effect of Grading Homework on Student Performance in College Chemistry Classes (October 2008).

Forest Ecology and Management Journal (Peer Reviewed)

Comparison of Wind Speeds Obtained Using Numerical Weather Prediction Models and Topographic Exposure Indices for Predicting Windthrow in Mountainous Terrain (March 2007).

Simulating Forest Productivity Under Combined Fire and Harvest Regimes in West-Central Canada (August 2006).

Quantifying Australian Forest Floristics and Structure using Small Footprint LiDAR and Large Scale Aerial Photography (September 2005).

An Analysis of Amazonian Forest Structure using an Automated Tree Crown Detection Algorithm and IKONOS Imagery (May 2005).

Integration of Vegetation Inventory Data and Landsat TM Image for Vegetation Classification in the Western Brazilian Amazon (*two drafts*: January and February 2005).

International Journal of Learning (Peer Reviewed)

The Promotion of Science Teachers' Understanding about the Nature of Scientific Knowledge through Explicit-Reflective Workshop (June 2011).

Pedagogical Aspects of Scientific Instruments (May 2006).

Wholly Online Learning in Environmental Science (May 2006).

The Five Senses Approach to Outdoor Experiential Learning (May 2006).

Journal of Soil and Water Conservation (Peer Reviewed)

Reference Criteria for Human Impacts on Semi-Arid Rivers in Bukina Faso (west Africa) (August 2015).

Soil Eco-Risk Assessment Using a Simple Earthworm (*Eisenia fetida*) Qualitative Avoidance Test: A Romanian Case Presentation of Five Swine Farm Surroundings (July 2015).

Trends of Precipitation in NAEW Coshocton, OH (May 2015).

The Effectiveness of a Synergistic Effect of *P. australis* and *K. nemoralis* in Nutrient Removal from Municipal Wastewater in a Constructed Rhizofiltration System (October 2014).

A Short Assessment of CO₂ Fluxes Under Different Management Conditions in Zimbabwe and Potential Implications for Carbon Cycling (October 2014).

Farmer Implementation of Alternate Wetting and Drying for Rice Cultivation Under Water Scarcity in Pakistan (July 2014).

Runoff Simulation Using APEX for a Small No-Till Watershed. II. Climate Change Impacts on Runoff (May 2014).

Midwest Land Management Effects on Near-Surface Soil Quality Indicators (August 2013).

Evaluation of Aeolian Desertification and its Causes in Northwest Shanxi Province, China (February 2013).

Straw Checkerboard Technology Enhances Sand Dune Fixation Effects of *Salix Oritrepha* and Improves Ecological Environment (November 2012).

A Meta-Analysis on the Effect of No-Tillage on a Farmer's Net Revenues (August 2012).

Improved Indexes for Targeting Placement of Buffers of Hortonian Runoff (March 2011).

Grain Yield and Biomass Relationship for Crops in the Inland Pacific Northwest (October 2010).

Agronomic and Economic Evaluation of Various Furrow Irrigation Strategies for Corn Production under Limited Water Supply (December 2009).

Analysis of River Water for Rice Pesticides in Eastern Arkansas from 2002 - 2008 (*two drafts*: March 2009 and August 2009).

Effects of Broiler Litter Application on Nutrient Accumulation in Soil (May 2009).

Published Book Reviews

Agricultural Robots Mechanisms and Practice, Edited by Naoshi Kondo, Mitsuji Monta, and Noboru Noguchi, Date of Publication: 2006, Trans Pacific Press, P.O. Box 164, Balwyn North, Melbourne, Victoria 3104, Australia (October-November 2011). <https://www.agronomy.org/publications/book-reviews/view/28>

Soil Mechanics Fundamentals by Isao Ishibashi and Hemanta Hazarika, Date of Publication: 2010, CRC Press, Taylor & Francis Group, Boca Raton, FL (June 2011). <https://www.agronomy.org/publications/book-reviews/view/25>

Essential Image Processing and GIS for Remote Sensing by Jian Guo Liu and Philippa J. Mason, Date of Publication: 2009, Wiley-Blackwell, Chichester, West Sussex, U.K. (October 2010). <https://www.agronomy.org/publications/book-reviews/view/24>

Hill Country Landowner's Guide by Jim Stanley, Date of Publication: 2009, Texas A & M University Press, College Station, TX (March 2010). <https://www.agronomy.org/publications/book-reviews/view/17>

Revising Media Grids

Revising Media Grids for eBook and online CourseMate for **GEOL** by Reed Wicander and James S. Monroe, Second Edition, *Brooks/Cole Cengage Learning, Belmont, CA 94002-3098* (Fall 2011).

Updating Test Bank

Updated the Test Bank Using EZTest, **Environmental Geology**, Carla W. Montgomery, Tenth Edition, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Fall 2012).

Updated the Test Bank Using EZTest, **Environmental Geology**, Carla W. Montgomery, Ninth Edition, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Fall 2011).

Environmental Geology, Carla W. Montgomery, Ninth Edition, *McGraw-Hill Higher Education Publishers, Dubuque, IA 52001* (Spring 2010).

Web Links

Collecting web links for each chapter, *Geology and the Environment*, Bernard Pipkin, D. D. Trent, Richard Hazlett, Paul Bierman, Sixth Edition, *Brooks/Cole Cengage Learning, Belmont, CA 94002-3098* (Summer 2010).

GRANTS

Team Member of a Grant Funded by the National Science Foundation (NSF), for the GIS for the 21st Century Workshop, Indiana State University.

Office of Sponsored Programs, Indiana State University.

Department of Geography, Geology, and Anthropology, Indiana State University.

School of Graduate Studies, Indiana State University.

MISCELLANEOUS ACADEMIC, SERVICE, AND RELATED ACTIVITIES

Continuing Education Units

Passed the following examinations approved by the International Certified Crop Advisor (CCA) program and conducted by the American Society of Agronomy (ASA):

Fossil Energy Use In Conventional and Low-External Input Cropping systems (*Exam Number: SS 04797*)-Passed Exam: September 25, 2012.

Measuring Contrasting Crop Rotations and External Inputs in Cropping Systems (*Exam Number: SS 04798*)-Passed Exam: September 25, 2012.

Grasshopper Injury to Potato: Consumption, Effect on Photosynthesis, and Economic Injury Level (*Exam Number: SS 04802*)-Passed Exam: September 25, 2012.

- Tillage and Crop Establishment Affect Sustainability of South Asian Rice-Wheat (*Exam Number: SS 04800*)-Passed Exam: September 25, 2012.
- Nitrogen Delivery from Legume Cover Crops in No-till Organic Corn Production (*Exam Number: SS 04804*)-Passed Exam: September 25, 2012.
- Seeding Rate Effects on Soybean Height, Yield, and Economic Return (*Exam Number: SS 04805*)-Passed Exam: September 25, 2012.
- Integrating Mechanical and Reduced-Chemical Weed Control in Conservation Tillage Corn (*Exam Number: SS 04262*)-Passed Exam: September 25, 2012.
- Summer Cover Crops Fix Nitrogen, Increase Yields, and Improved Soil-Crop Relationships (*Exam Number: SS 04263*)-Passed Exam: September 25, 2012.
- Soil P and K following RTK-Guided Broadcast and Deep-Band Placement in Strip- and No-Till (*Exam Number: SS 04810*)-Passed Exam: September 25, 2012.
- Introducing Fall-Seeded Pea and Lentil into Conventional Wheat-Based Crop Rotations (*Exam Number: SS 04813*)-Passed Exam: September 25, 2012.
- Comparing Enhanced-Efficiency N Fertilizers in Bermudagrass Forage Production (*Exam Number: SS 04814*)-Passed Exam: September 25, 2012.
- Are Current Soil-Test Based Phosphorous and Potassium Fertilizer Recommendations Accurate? (*Exam Number: SS 04098*)-Passed Exam: September 22, 2011.
- Nitrogen Fertilizer and Urease Inhibitor Effects on Canola Emergence and Yield in A One-pass Seeding and Fertilizing System (*Exam Number: SS 04099*)-Passed Exam: September 22, 2011.
- Optimizing Pasture Value With Forage Mixtures (*Exam Number: SS 04115*)-Passed Exam: September 22, 2011.
- Effect of Deficit Irrigation and Fertilization on Cucumber (*Exam Number: SS 04116*)-Passed Exam: September 22, 2011.
- Soil Testing and Nitrogen Mineralization From Soil Organic Matter (*Exam Number: SS 04126*)-Passed Exam: September 22, 2011.
- Effects of Soybean Residue Management and Tillage on Corn Yields (*Exam Number: SS 04127*)-Passed Exam: September 22, 2011.
- Changes in Alfalfa Yield and Nutritive Value Within Individual Harvest Periods (*Exam Number: SS 04126*)-Passed Exam: September 22, 2011.

Effect of Continuous Cropping Systems on Compaction in No-till Soils (*Exam Number: SS 04147*)-Passed Exam: September 22, 2011.

Compost Rates for Optimum Yield in Organic Crop Production (*Exam Number: SS 04157*)-Passed Exam: September 22, 2011.

Reducing the Variability in Potato Yield (*Exam Number: SS 04158*)-Passed Exam: September 22, 2011.

Managing Small-grain Residues to retain Legume-derived Nitrogen in Corn Cropping Systems (*Exam Number: SS 04148*)-Passed Exam: September 22, 2011.

Effect of Row Spacing and Seeding Rate on Soybean Yield (*Exam Number: SS 04185*)-Passed Exam: September 22, 2011.

The Four Fertilizer Rights: Timing (*Exam Number: SS 03940*)-Passed Exam: September 24, 2010.

Management Practices and Weather Affect Soil Surface Fluxes of Greenhouse Gases (*Exam Number: SS 03941*)-Passed Exam: September 24, 2010.

Organic Vegetable Systems Improved: Optimizing Weed Suppression and Plant Growth with legume-Oat Cover Crops (*Exam Number: SS 03970*)-Passed Exam: September 24, 2010.

Know Your Fertilizer Rights: Right Place (*Exam Number: SS 03971*)-Passed Exam: September 24, 2010.

Managing Nematodes In Wheat and Barley (*Exam Number: SS 03996*)-Passed Exam: September 24, 2010.

Developing Metrics for Managing Soybean Aphids (*Exam Number: SS 03997*)-Passed Exam: September 24, 2010.

Safety Protocols for Soil Sampling (*Exam Number: SS 04015*)-Passed Exam: September 24, 2010.

Reducing Soil Sampling Errors (*Exam Number: SS 04016*)-Passed Exam: September 24, 2010.

Comparing the Effects of Subsurface Drip and Overhead irrigation on Boll Distribution in Cotton (*Exam Number: SS 04045*)-Passed Exam: September 24, 2010.

Vineyard Nutrient Needs Vary With Rootstocks and Soils (*Exam Number: SS 04046*)-Passed Exam: September 24, 2010.

Infiltration Rate, Hydraulic Conductivity, Preferential Flow (*Exam Number: SS 04064*)-
Passed Exam: September 24, 2010.

Selecting Green Manure Crops to Enhance Potato Production (*Exam Number: SS 04077*)-
Passed Exam: September 24, 2010.

Water Balance and Nitrate Leaching Under Corn in Kura Clover Living Mulch (*Exam
Number: SS 04078*)-Passed Exam: September 24, 2010.

Nitrogen Nutrient Index: An Effective Diagnostic Tool for Nitrogen Management (*Exam
Number: SS 03922*)-Passed Exam: December 19, 2009.

Effect of Manure Application on Corn Yield, Phosphorous Update (*Exam Number: SS
03921*)-Passed Exam: December 19, 2009.

Selecting the Right Fertilizer Rate: A Component of 4R Nutrient Stewardship (*Exam
Number: SS 03920*)-Passed Exam: December 19, 2009.

Effect of Planting Patterns on Yield of Upland Cotton (*Exam Number: SS 03901*)-Passed
Exam: December 19, 2009.

The Four Fertilizer Rights: Selecting the Right Source (*Exam Number: SS 03900*)-Passed
Exam: December 19, 2009.

Evaluating Organic Soil Amendments and Fertilizer Enhancers (*Exam Number: SS
03864*)-Passed Exam: December 19, 2009.

Know Your Fertilizer Rights (*Exam Number: SS 03853*)-Passed Exam: December 19,
2009.

Managing the Phosphorous-Nitrogen Balance in Corn and Spring Wheat (*Exam Number:
SS 03842*)-Passed Exam: December 19, 2009.

Finding Best Practices for Growing Alfalfa in the Northern Plains (*Exam Number: SS
03841*)-Passed Exam: December 19, 2009.

Agronomic and Economic Performance Characteristics (*Exam Number: SS 03825*)-
Passed Exam: December 19, 2009.

Helping Growers Balance Economics and Environmental Benefits (*Exam Number: SS
03824*)-Passed Exam: December 19, 2009.

Long-term Soil Experiments: Keys to Managing Earth's Rapidly Changing Ecosystems
(*Exam Number: SS-03728*)-Passed Exam: September 18, 2008.

Turfgrass Irrigated with Recycled Water: Environmental Impact (*Exam Number: SS-03729*)-Passed Exam: September 18, 2008.

Development of Vegetation Indices for Identifying Insect Infestation in Soybean (*Exam Number: SS-03730*)-Passed Exam: September 18, 2008.

Soft Red Winter Wheat is Improved by Proper Timing of Nitrogen Application (*Exam Number: SS-03731*)-Passed Exam: September 18, 2008.

Reconsidering Integrated Crop-Livestock Systems in North America (*Exam Number: SS-03754*)-Passed Exam: September 18, 2008.

Improving Fall Nitrogen Use Efficiency in North America (*Exam Number: SS-03755*)-Passed Exam: September 18, 2008.

Soil Phosphorous is Affected by Biosolid Application (*Exam Number: SS-03756*)-Passed Exam: September 18, 2008.

Measuring Nitrogen and Phosphorous Losses Under Different Watering Systems and Tillage Conditions (*Exam Number: SS-03772*)-Passed Exam: September 18, 2008.

Common Waterhemp Growth and Fecundity as Influenced by Emergence Date and Competing Crop (*Exam Number: SS-03773*)-Passed Exam: September 18, 2008.

Soil Water Use by 10 Crops for Managing Dynamic Cropping Systems (*Exam Number: SS-03774*)-Passed Exam: September 18, 2008.

Tillage and Rotation for Corn and Soybeans (*Exam Number: SS-03775*)-Passed Exam: September 18, 2008.

Profitability Maps for Making Site-Specific Management Decisions (*Exam Number: SS-03784*)-Passed Exam: September 18, 2008.

Factors Affecting the Spray Drift of Pesticides (*Exam Number: SS-03785*)-Passed Exam: September 18, 2008.

Dealing with the Environmental Issues of Animal Feeding (*Exam Number: SS-03786*)-Passed Exam: September 18, 2008.

Evaluation of the Illinois Soil Nitrogen Test in the North Central Region of the United States (*Exam Number: SS-03809*)-Passed Exam: September 18, 2008.

Soybean Aphid Feeding Injury and Soybean Yield and Seed Composition (*Exam Number: SS-03810*)-Passed Exam: September 18, 2008.

Pulses Contribute to Better Soil Management, Variety for Producers (*Exam Number: SS-03811*)-Passed Exam: September 18, 2008.

Heavily Seeded Wheat Increases Herbicide Effectiveness Against Wild Oats (*Exam Number: SS-02960*)-Passed Exam: August 27, 2007.

Industrial By-products Offer Organic Material for Crop Production (*Exam Number: SS-02990*)-Passed Exam: August 27, 2007.

Developing Good Tests for Soil Quality (*Exam Number: SS-03030*)-Passed Exam: August 27, 2007.

The Effect of Dairy Cow Diets on Nitrogen Cycling and Milk Production (*Exam Number: SS-03370*)-Passed Exam: August 27, 2007.

Response to Starter Fertilizer on No-till Grain Sorghum in Nebraska (*Exam Number: SS-03660*)-Passed Exam: August 27, 2007.

How do Pesticides Behave in Nursery Recycling Ponds? (*Exam Number: SS-03670*)-Passed Exam: August 27, 2007.

Corn Types Respond to Population Density and Nitrogen Levels Differently (*Exam Number: SS-03690*)-Passed Exam: August 27, 2007.

Time of Weed Removal with Glyphosate Affects Corn Growth, Yield Components (*Exam Number: SS-03680*)-Passed Exam: August 27, 2007.

The Two Faces of Ethylene Sensitivity in Soy (*Exam Number: SS-02630*)-Passed Exam: August 22, 2006.

Management of Phosphorous in Stratified Soils: Does Tillage Matter? (*Exam Number: SS-02850*)-Passed Exam: August 22, 2006.

Saline and Sodic Conditions (*Exam Number: SS-02340*)-Passed Exam: June 19, 2006.

Water Extractable Phosphorous (*Exam Number: SS-02380*)-Passed Exam: June 19, 2006.

Nitrogen Leaching and Groundwater Quality (*Exam Number: SS-02420*)-Passed Exam: June 19, 2006.

Protecting Surface Water Quality Using Drinking Water (*Exam Number: SS-02380*)-Passed Exam: June 19, 2006.

Optimizing Crop Rotation for Weed Management (*Exam Number: SS-02590*)-Passed Exam: June 19, 2006.

Moving Switchgrass-Dominated Conservation Reserve Program Lands to Biomass Production (*Exam Number: SS-02340*)-Passed Exam: June 19, 2006.

Invited Lectures (August 2005-Present)

Mining in Society, Merit Badge Series, Boy Scouts of America Camporee, Orr Park, Orrville, Ohio, April 18, 2015.

Geology of Ohio, Heartland Education Community, Inc., Heartland Point, Orrville, September 25, 2014.

Ohio and Ice Age, Orrvilla, Orrville, Ohio, May 28, 2014.

Geology of the Lake Erie Islands and Shoreline, Heartland Education Community, Inc., Heartland Point, Orrville, February 20, 2014.

Effects of the Ice Age, Heartland Education Community, Inc., Heartland Point, Orrville, October 10, 2013.

American Meat Panelist, Event Sponsored by the Global Green Club, The University of Akron Wayne College, March 6, 2013.

Ohio's Geology - Then and Now, Heartland Education Community, Inc., Heartland Point, Orrville, November 13, 2012.

Rock Cycle, Geology Day, The Wilderness Center, Wilmot, Ohio, November 10, 2012.

Arrowheads, Heartland Education Community, Inc., Heartland Point, Orrville, October 9, 2012.

Fracking (hydraulic fracking): What is it and how does it impact us? Panelist, Community Forum, The University of Akron Wayne College, February 21, 2012.

The Geology of Fracking in Ohio, Panelist, Green Team of the United Church of Christ, Orrville, November 17, 2011.

Geology of Lake Erie Islands and Shoreline, Heartland Education Community, Inc., Heartland Point, Orrville, October 13, 2011.

Remote Sensing and Soil Classification, National Education Society's Rutnam College, Bombay, India, August 10, 2011.

What in the World is Going on? Earth Day Panel Discussion, The University of Akron Wayne College, April 19, 2011.

Participant-Guest Lecturer (Panel Discussion) Career Day, sponsored by Junior Friends of the Canal Fulton Public Library, Canal Fulton, Ohio, April 16, 2011.

Chert Formation as a Result of Chemical Weathering of Volcanic Ash, Department of Geology, St. Xavier's College, Bombay, India, December 20, 2010.

Minerals, Rocks, and Fossils, Kean Elementary School, Wooster, Ohio, May 14, 2010 and November 19, 2010.

Minerals, Rocks, and Fossils, St. Mary School, Wooster, Ohio, September 15, 2010.

College vs. High School Classroom for Wayne County Schools Career Center for their visit to The University of Akron Wayne College, May 26, 2009 and June 1, 2010.

Lecturer for **Lincolnway Elementary School** students on their visit to The University of Akron Wayne College, May 12, 2008 and May 6, 2010.

Advantages of Hyperspectral Remote Sensing for Soil Classification, GeoClub, Department of Geology, The College of Wooster, Wooster, Ohio, April 8, 2010.

Affirmative Action, Face to Face Discussion, The University of Akron Wayne College, March 24, 2010.

Teaching Principles of Relative and Radiometric Dating in Relationship to Familiar Activities, Conference Roundup, Faculty Development Committee, The University of Akron Wayne College, March 5, 2010.

Immigration Reform, Face to Face Discussion, Building Cultural Bridges, The University of Akron Wayne College, February 8, 2010.

Conducted a seminar on soils (lecture, laboratory, and field work) for **(34278) 3010:495-601 and 595-601 Field/Lab Studies: Environmental Science** Class (Professor Forrest Smith), August 11, 2006 and July 17, 2009.

Minerals, Rocks, and Fossils, Discovery Camp, Young Men's Christian Association (YMCA), Orrville, July 15, 2009.

Ohio Geology, The Wilderness Center, Wilmot, Ohio, March 13, 2009.

Glaciers and Ohio, Heartland Education Community, Inc., Heartland Point, Orrville, March 3, 2009.

Lecturer for **Gospel Haven Academy** students on their visit to The University of Akron Wayne College, February 24, 2009.

Lecturer for **Highland Eighth Grade School** students on their visit to The University of Akron Wayne College, December 12, 2008.

Arrowheads, Heartland Education Community, Inc., Heartland Point, Orrville, October 14, 2008.

Hyperspectral Remote Sensing for Soil Classification, Department of Geology, St. Xavier's College, Bombay, India, August 4, 2008.

Geology ROCKS! LEGO Kid's Camp Week, Continuing Education and Workforce Development, The University of Akron Wayne College, June 23-26, 2008.

Fossils of Wayne County and Northeastern Ohio, fieldtrip (Zollinger's Gravel Pit in Rittman, Ohio) and lecture, Heartland Education Community, Inc., Heartland Point, Orrville, June 19, 2008.

Lecturer for **Lincolnway Elementary School** students on their visit to The University of Akron Wayne College, May 12, 2008.

Geological Characteristics of the State of Ohio, Heartland Education Community, Inc., Heartland Point, Orrville, March 24, 2008.

Presented a session titled '**What to Expect in the Classroom**' for the New Student Orientation, July 11, 2007 and January 5, 2008.

GIS, Career Day, Orrville High School, December 14, 2007.

Birds and Dinosaurs, Greater Akron Audubon Society, Akron, Ohio, November 27, 2007.

Fossils, Killbuck District, Cub-Scout Lock-In, Young Men's Christian Association (YMCA), Dalton, Ohio, November 16, 2007.

Impact of Glaciers on the State of Ohio, Heartland Education Community, Inc., Heartland Point, Orrville, October 9, 2007.

Minerals and Rocks, North Elementary School, Orrville, Ohio, September 25, 2007 and September 27, 2007.

Dinosaurs Demystified, Brown Bag Event, The University of Akron Wayne College, September 19, 2007.

Presented a session titled '**Talk With a Professor**' for the New Student Orientation, August 18, 2007.

Bombay in India: Globalization and Diversity, University of Indianapolis, Indianapolis, Indiana, July 23, 2007.

Lecturer for **Dalton High School** students on their visit to The University of Akron Wayne College, April 13, 2007.

Effects of the Pleistocene Epoch on Northeastern Ohio, Great Trail Council, Boy Scouts of America, Troop 514, Medina, Ohio, March 15, 2007.

Effects of Ice Age on Wayne County, Heartland Education Community, Inc., Heartland Point, Orrville, February 27, 2007.

How to Develop Your Optimistic Side, Stress Fest, The University of Akron Wayne College, February 21, 2007.

Conducted a session titled '**High School vs College**' for Tune in Days at The University of Akron Wayne College, (December 3, 2005 and February 21, 2006 with Professor Emily Rock), December 2, 2006, and February 20, 2007.

Earthquakes and Volcanoes, Wadsworth Central Intermediate School, January 29, 2007.

Geology of Wayne County, Heartland Education Community, Inc., Heartland Point, Orrville, October 6, 2006.

Nature and Characteristics of the Materials Used for Arrowheads, North American Indian Culture Center, Tallmadge, Ohio, October 3, 2006.

Geology of Arrowheads, Brown Bag Event, The University of Akron Wayne College, September 27, 2006.

Ohio Geology: Rocks and Fossils in Your Backyard, Orrville Public Library, September 20, 2006.

Lecturer for the **Evolutions and Transitions Program**, The University of Akron Wayne College, July 27, 2006.

Lecturer for **Northwestern Middle School** students on their visit to The University of Akron Wayne College, May 5, 2006.

Servant-Leadership, sponsored by the College Well Being Committee, The University of Akron Wayne College, March 8, 2006.

Application of Remote Sensing in Soil Classification, Orrville High School, January 27, 2006.

Lecturer for **John R. Lea Middle School** students on their visit to The University of Akron Wayne College, November 15, 2005.

Distinguished Student Projects

The University of Akron Wayne College

Understanding the Forces that Generate Earthquakes and the Precursors Associated in Predicting Them, Student: **Michael J. Caffrey**, Fall 2011.

Mount Vesuvius: A 17,000 Year Volcanic History of Eruptions and Probability of Future Eruptions, Student: **Kimberly A. Landreth**, Fall 2008.

Karst Topography in the United States: Their Distribution, Formation, and Pollution, Student: **Robert L. Sharets**, Fall 2008.

Classification, Characteristics, and the Effects of Glaciation for Soils of Ohio, Student: **Heather L. Stonebreaker**, Fall 2006.

Volcanoes: Their Characteristics, Formations, and Measurement, Student: **Alison L. Summers**, Fall 2006.

Faculty Advisor-Mentor for Professional Student Presentations

The University of Akron Wayne College

Mount Vesuvius: A 17,000 Year Volcanic History of Eruptions and Probability of Future Eruptions, Student: **Kimberly A. Landreth**, 2009 Conference on Undergraduate and Graduate Student Research, The University of Akron, March 26, 2009.

Water Movement in the Ocean and its Effects on the Atmosphere, Student: **Nena F. Brierly**, 2008 Conference on Undergraduate and Graduate Student Research, The University of Akron, March 27, 2008.

Selected Geological Resources for the State of Ohio and their Applications, Student: **Steven A. Reutter**, 2008 Conference on Undergraduate and Graduate Student Research, The University of Akron, March 27, 2008.

Workshops-Lectures-Seminars-Conferences-Webinars

Putting the Research of Learning Into Practice, Professor Terry Doyle, The University of Akron Wayne College, April 24, 2015.

Lilly International Conference on College Teaching, “Evidence-Based Learning and Teaching”, 34th Annual Conference, Miami University, Oxford, Ohio, November 20-23, 2014.

The Akron Experience: Student Success Seminar, Dr. Renée R. Mudrey-Camino, The University of Akron and Dr. Denise J. Uitto, The University of Akron Wayne College, August 14 & 15, 2014.

Kognito's At-Risk for University & College Faculty, Certificate of Completion, The University of Akron Wayne College, July 16, 2014.

Question Persuade Refer (QPR) Suicide Prevention Gatekeeper Program, Dr. Jane M. Fink, The University of Akron Wayne College and Rebecca Civittolo, Wayne Holmes Mental Health Board, June 16, 2014.

Conference Roundup, Faculty Development Committee, The University of Akron Wayne College, November 6, 2009 and April 16, 2014.

Designing and Developing Your Online Course: A 40 Hour Hands-On Workshop, Certificate of Completion, The University of Akron Wayne College, Spring 2014.

LearnSmart and Smartbook webinar, Getis, Introduction to Geography, Anne Chiffoleau, McGraw Hill Higher Education, The University of Akron Wayne College, February 19, 2014.

Induced/Triggered Earthquakes: Examples from Texas, Dr. Cliff Frohlich, Institute for Geophysics, Jackson School of Geosciences, The University of Texas at Austin, Incorporated Research Institutions for Seismology (IRIS) Webinar, The University of Akron Wayne College, November 20, 2013.

Helping Distressed Students, Dr. Jane Fink, The University of Akron Wayne College, February 1, 2013.

Perfecting the Blend: Designing Blended Course Interactions, Dr. Kelvin Thompson and Dr. Susan Wegmann, Webinar, Teaching Learning Collaborative, The University of Akron Wayne College, January 15, 2013.

Distance Learning Workshop, Institute for Teaching and Learning Distance Learning (ITL/DL) Certification, Elizabeth Rhoads and Eric Veigel, The University of Akron Wayne College, January 9, 2013.

AURCO conference, Kent State University Stark Campus, North Canton, Ohio, April 10, 2010, Wright State University Lake Campus, Celina, Ohio, April 9, 2011, and Ohio University Zanesville Campus, April 21, 2012.

What's Shaking at SCEC? Education and Outreach Resources for Earthquake Preparedness, Mark Benthien, Education Director, Southern California Earthquake Center (SCEC), On the Cutting Edge Hazards Webinar, The University of Akron Wayne College, March 16, 2012.

What Will They Know in Five Years? Karl Wirth, Associate Professor of Geology, Macalester College, On the Cutting Edge Pursuing an Academic Career Webinar, The University of Akron Wayne College, February 15, 2012.

Volcanic Hazards in the United States, Dr. Peter F. Cervalli, Research Geophysicist Volcano Science Center, United States Geological Survey, Menlo Park, California, On the Cutting Edge - Professional Development for Geoscience Faculty Teaching about Hazards in Geoscience, Geologic Hazards Webinar Series, The University of Akron Wayne College, February 10, 2012.

Creating Content with Respondus 4.0 Webinar, Arie Sowers, Lisa Philpott, and Nick Laborda, The University of Akron Wayne College, January 25, 2012.

Natural Hazards Programs at the United States Geological Survey (USGS) – Policy and Mitigation, David Applegate, Associate Director for Hazards, USGS, Reston, Virginia, On the Cutting Edge - Professional Development for Geoscience Faculty Teaching about Hazards in Geoscience, Geologic Hazards Webinar Series, The University of Akron Wayne College, January 13, 2012.

Climate Change Risk in an Unknowable Future, Dr. Edmond Mathez, Department of Earth and Planetary Sciences, American Museum of Natural History, New York, New York, On the Cutting Edge - Professional Development for Geoscience Faculty Teaching about Hazards in Geoscience, Geologic Hazards Webinar Series, The University of Akron Wayne College, November 18, 2011.

Diversity in Inclusiveness Excellence, Mr. Lee A. Gill, J.D., Associate Vice President, Inclusive and Equity, Chief Diversity Officer, The University of Akron Wayne College, November 4, 2011.

Engage More Students with CourseMate Webinar, Jack Cooney, Instructor Advocate, Cengage Learning, The University of Akron Wayne College, November 2, 2011.

E-textbooks and Open Educational Resources, Dr. John Savery, Director of Instructional Services at The University of Akron Wayne College (distance learning), November 1, 2011.

Rich Environments for Active Learning (REAL), Mr. Tim Sisson, Department of Education, The University of Akron Wayne College (distance learning), October 11, 2011.

Cardio Pulmonary Resuscitation/Automated External Defibrillator (CPR/AED) Training, Chuck Kunsman, American Red Cross Lay Responder First Aid/CPR/AED Instructor, The University of Akron Wayne College, October 7, 2011.

iPads in the Classroom, Patrick Tabatcher, Design and Development Services, The University of Akron Wayne College (distance learning), October 4, 2011.

Bellary Mines: The Haunted Blood Soil, Paranjoy Guha Thakurta, K. R. Cama Hall, Bombay, India, August 12, 2011.

It's a Gas, Gas, Gas: Developing a Semester-long Class Project on Natural Gas Exploration using the Jigsaw Method, Devin Castendyk, Ph.D., State University of New York, College at Oneonta, On the Cutting Edge - Professional Development for Geoscience Faculty Teaching Climate Change: Lessons from the Past, Climate and Energy Webinar Series, The University of Akron Wayne College, May 13, 2011.

Fishbone Problem Analysis. What it is and how do I use it? Angie Wynar and Sarah Morrow, Continuous Improvement Committee, The University of Akron Wayne College, April 15, 2011.

The Energy Water Nexus: A Theme for Interdisciplinary Earth Science Inquiry, Steven Semken, Ph.D. School of Earth and Space Exploration, Arizona State University, On the Cutting Edge - Professional Development for Geoscience Faculty Teaching Climate Change: Lessons from the Past, Climate and Energy Webinar Series, The University of Akron Wayne College, April 8, 2011.

How to Conduct an Effective SWOT and Brainstorming Session? Cathy Cooper and Nan Whitsel, Continuous Improvement Committee, The University of Akron Wayne College, April 1, 2011.

LearnSmart Webinar, Host: Traci Andre, Marketing Specialist, Physical Sciences, McGraw-Hill Higher Education, Dubuque, Iowa, Presenter: Gina Szablewski, Associate Lecturer, Department of Geosciences, University of Wisconsin Milwaukee, The University of Akron Wayne College, March 15, 2011.

Engaging Students and Addressing Critical Thinking Skills via the Nuclear Debate, James D. Myers, Ph.D., Department of Geology and Geophysics, University of Wyoming, On the Cutting Edge - Professional Development for Geoscience Faculty Teaching Climate Change: Lessons from the Past, Climate and Energy Webinar Series, The University of Akron Wayne College, March 11, 2011.

Identifying and Managing Aggressive Student Behaviors, Attitudes and Emotions Webinar, Brian Van Brunt, Ed.D., Western Kentucky State University, The University of Akron Wayne College, March 10, 2011.

Student Behavior A Critical Factor in the Learning Environment, Dr. Helen Qammar, Institute for Teaching and Learning, The University of Akron Wayne College, March 4, 2011.

Connect Geology Webinar, Online Homework Management System, Traci Andre, Marketing Specialist, Physical Sciences, McGraw-Hill Higher Education, Dubuque, Iowa, The University of Akron Wayne College, February 24, 2011.

Innovative Teaching Methods, Dr. Dale Mugler, Dean of the Honor's College, The University of Akron, November 3, 2010.

Strategies that Invite your Students' Brains to Class, Dr. David M. Dees, Faculty Retreat at The Wooster Inn, The University of Akron Wayne College, August 27, 2010.

NRCS 2010 Conservation Stewardship Program, Webinar, Natural Resource Conservation Service, May 26, 2010.

Ohio's Mining History and Its Impact Today, Tim Jackson, Ohio Department of Natural Resources and Kirk Beach, Geology Program Manager of the Ohio Department of Transportation, The Wilderness Center, Wilmot, Ohio, March 13, 2010.

Teach Smarter, Not Harder Promoting Student Learning through Reflective Instruction, Mr. Dave Freeman, Associate Professor, Marietta College, The University of Akron Wayne College, January 22, 2010.

Sustainable Energy: World and Local Perspectives, Mr. Barry Romich, Prentke Romich Company, Wooster, Ohio, The University of Akron Wayne College, November 3, 2009.

Facilitating Academic Success for Today's Veterans, Ms. Janet Conley, The University of Akron, October 16, 2009.

Emotional Intelligence, Ms. Kimberly Langley, President of Life Balance Enterprises, Faculty Development Retreat at The Pines, The University of Akron Wayne College, August 28, 2009.

Risk Management in Service Learning Webinar, conducted by Marsh Risk Consulting, in partnership with Bowling Green State University and Ohio Campus Compact, organized by the Institute for Teaching and Learning, The University of Akron, May 26, 2009.

Ohio Wetlands, Professor Forrest J. Smith, Emeritus Professor of Biology, The University of Akron Wayne College, April 29, 2009.

Writing in All Disciplines: Principles and Strategies (and a Bit of Inspiration), Dr. Christopher M. Anson, North Carolina State University, The University of Akron Wayne College, March 6, 2009.

- The Effects of Appalachian Mining**, Ms. Mari-Lynn Evans, Public Broadcasting Service (PBS) Editor and Producer, The University of Akron Wayne College, February 11, 2009.
- It's All About the Learning: Teaching and Technology**, Ms. Sheryl Hansen, Director, Professional Development Programs, Ohio Learning Network, The University of Akron Wayne College, February 6, 2009.
- Symposium on Teaching First-Year College Students**, Dr. Paulette Popovich, The University of Akron Wayne College, Fall 2008.
- Resolving Conflict Constructively**, Mr. Bruce Hendrick, Organizational Development Services, The University of Akron Wayne College, November 21, 2008.
- Seminar on Sympodium**, Professor Emily Rock and Associate Professor Lou Janelle, The University of Akron Wayne College, November 20, 2008.
- Classroom Assessment Techniques-3, Data Analysis and SoTAL**, Dr. Helen Qammar, Institute for teaching and Learning, The University of Akron, November 5, 2008.
- Classroom Assessment Techniques-2, Matching Classroom Assessment Techniques with Situations**, Dr. Helen Qammar, Institute for teaching and Learning, The University of Akron, October 29, 2008.
- Classroom Assessment Techniques-1, Why Use Them?** Dr. Helen Qammar, Institute for teaching and Learning, The University of Akron, October 22, 2008.
- Teaching Adult Learners**, Ms. Laura Conley, Institute for teaching and Learning, The University of Akron, October 21, 2008.
- Teaching Student Athletes**, Ms. Christie McFadden and Ms. Kara S. Park, Institute for Teaching and Learning, The University of Akron, October 14, 2008.
- Developing a Good Classroom Climate and Help with Problem Students**, Ms. Juanita Martin, Institute for teaching and Learning, The University of Akron, September 17, 2008.
- How Can You Help Your Students Succeed**, Mrs. Shawn Bixler, Mrs. Sandra Jovicic, Dr. Marjorie Keil, Mrs. Chris Kolaczewski-Ferris, Mrs. Rae Leonard, and Mrs. Laura Monroe, Institute for teaching and Learning, The University of Akron, September 4, 2008.
- Springboard Open House**, Dr. Jill Phipps, The University of Akron Wayne College, May 2, 2008.
- Chancellor Eric Fingerhut's Forum** at The University of Akron, April 17, 2008.

Stress in the Workplace, Carol K. Haburay, The University of Akron Wayne College, February 6, 2008.

Service-Learning, Dana Baylor and Dr. Dudley Turner, The University of Akron Wayne College, February 1, 2008.

Springboard! For Experienced WebCT Users, Al Herbert, The University of Akron Wayne College, November 16, 2007.

The First Campus-Wide Conversation on Core Competencies-What it Means to be Educated, Institute for Teaching and Learning, The University of Akron, November 8, 2007.

What the Best College Teachers Do, Dr. Ken Bain, The University of Akron Wayne College (distance learning), November 2, 2007.

Teaching Adult Learners, Laura Conley, The University of Akron Wayne College, October 26, 2007.

Best Practices for Teaching with Springboard, Institute for Teaching and Learning, The University of Akron Wayne College, October 2007.

A Guide for Faculty on Responding to Students in Distress, Brett Sokolov and W. Scott Lewis, Magna Online Seminars, The University of Akron Wayne College (distance learning), September 28, 2007.

Tablet PC Workshop: Why Your Laptop Needs A Pen, Dr. Steven C. Myers, Institute of Teaching and Learning, The University of Akron, September 14, 2007.

The Faculty's Role in Creating an Enabling Learning Climate, Dr. Howard G. Adams, H. G. Adams & Associates, Inc., Institute for Teaching and Learning, The University of Akron, March 13, 2007.

Introduction to Q Methodology as a Tool for Assessment and Research
Dr. Steven Brown, Kent State University, Institute for Teaching and Learning, The University of Akron, January 26, 2007 and February 2, 2007.

Generation NeXt Comes to College and Postmodern Pedagogy, Dr. Mark Taylor, The University of Akron Wayne College, November 10, 2006.

Making a Difference in Lives: Privileges and Responsibilities of the Professoriate, Dr. Ludy T. Benjamin, Jr. Texas A & M University, Institute for Teaching and Learning, The University of Akron, April 14, 2006.

The Growth and Development of College Teachers: What We've Learned, Dr.

Maryellen Weimer, Professor of Teaching and Learning, Penn State Berks, The University of Akron Wayne College, April 8, 2006.

Teaching Honors Students, Dean Dale Mugler, Associate Dean Karen Bobkoff Katz (Honors College), Institute for Teaching and Learning, The University of Akron Wayne College (distance learning), March 8, 2006.

Podcasting Seminar, Mr. Jeff Feeman (Apple Corporation), The University of Akron Wayne College, March 3, 2006.

Clicker Technology Demonstration, Ms. Michelle Miller (Developmental Programs), Institute for Teaching and Learning, The University of Akron Wayne College (distance learning), March 2, 2006.

Electronic Library Resources, Mr. Frank Bove (Electronic Resources Librarian), Institute for Teaching and Learning, The University of Akron Wayne College (distance learning), March 1, 2006.

Teaching with Technology, Learning Technology and Scholar Services, Ms. Litsa Varonis (Multimedia Specialist), Institute for Teaching and Learning, The University of Akron Wayne College (distance learning), February 23, 2006.

Plagiarism, Mr. Frank Bove (Electronic Resources Librarian) and Mr. Michael Tosko (Interim Head, Teaching and Training), Institute for Teaching and Learning, The University of Akron Wayne College (distance learning), February 22, 2006.

A Guide to Foundation Grant Funding, Dr. Robert Lowman, The University of North Carolina at Chapel Hill, Office of Research Services and Sponsored Programs, The University of Akron, February 3, 2006.

Teaching Adult Learners, Adult Focus and Institute for Teaching and Learning, Ms. Debbie Gwin and Ms. Meredith Kalapich, The University of Akron Wayne College (distance learning), November 18, 2005.

Accommodating Students with Disabilities, Office of Accessibility and Institute for Teaching and Learning, Ms. Stacey Moore and Ms. Amy Liikala Conwi, The University of Akron Wayne College (distance learning), October 6, 2005.

WebCT Workshop, Ms. Cynthia Harrison, The University of Akron Wayne College (distance learning), September 22, 2005.

Indiana State University

Center of Teaching and Learning, Indiana State University, Terre Haute, Indiana.

Personal Strengths, Identifying your Strengths in Relating to Others, Using your Strengths Strategically to Improve Relationships, Ms. Debra Runshe, April 20, 2004.

Assessing Learning and Growth of Others, Designing Flexible Methods for Creating Exams, Creating Clear Grading Criteria and Scales, Ms. Debra Runshe, April

Understanding and Appreciating Difference, Ms. Mary Luz Petrowski, March 16, 2004.

Engaging Students, Ms. Debra Runshe, March 2, 2004.

Helping Students Think Critically, Dr. Todd Whitaker, February 18, 2004.

Career Development, Mr. Tyrone Sessom, November 18, 2003.

Teaching and Learning Patterns, Ms. Debra Runshe, November 4, 2003.

Preventing and Addressing Conflict, Ms. Debra Runshe, October 14, 2003.

Lecture, Discussion, or Small Groups, Ms. Debra Runshe, September 30, 2003.

Time Management, Dr. Kenneth Chew, September 16, 2003.

Incorporating Service Learning into Undergraduate Coursework, Drs. Nancy Rogers and Linda Maule, July 9-10, 2003.

Servant Leadership, Dr. John Moore, President Emeritus, Indiana State University, and Ms. Jan Arnett, June 13, 2003.

Case Teaching Workshop, Dr. James A. Erskine, Ivey Business School, University of Western Ontario, Canada, May 21-22, 2003.

Graduate Teaching Workshops, Fall 1998, Fall 1999, Spring 2000, Fall 2000, Fall 2001, Fall 2002.

Committees

The University of Akron Wayne College

Tenure and Promotion Committee Chair (spring 2015-Fall 2015).

Faculty Development Committee, Fall 2006-Spring 2008 (Chair, Fall 2007-Spring 2008),
Fall 2012-Spring 2015 (Co-chair, Fall 2014-Spring 2015).

Retention Committee Co-Chair, Spring 2014-Fall 2014.

Teaching Learning Collaborative Committee, Spring 2014-Spring 2016.

Scheduling Task Force, Spring 2014-Present.

College Well-Being Committee, Fall 2011-Spring 2014.

Search Committee Co-Chair for the Tenure Track Health Care Office Management
Faculty, Spring 2013.

Institutional Effectiveness Committee, Fall 2012-Spring 2013.

Search Committee Member for Assistant Dean, Spring 2012-Summer 2012.

Green Team Workgroup, Spring 2010-Spring 2011.

Wayne College Representative for AURCO, Fall 2009-Spring 2014.

Faculty Committee, Fall 2009-Spring 2011.

Diversity Task Force, Fall 2009-Spring 2011.

Search Committee Member for the Tenure-Track Philosophy Faculty, Fall 2008-Spring
2009.

Continuous Improvement Workgroup, Fall 2008-Spring 2009.

Communication and Information System Institutional Effectiveness Subcommittee, Fall
2008-Spring 2010.

Student Success and Retention Task Force, Fall 2008-Spring 2009.

Student Communication Task Force (Co-chair), Spring 2008-Spring 2009.

Oral Assessment Committee (2006-2008; Lead Faculty 2006-2007).

Distinguished Alumni Selection Committee, Spring 2008.

Search Committee Member for Head Men's Basketball Coach, Summer 2007.

Search Committee Member for Head's Women's Volleyball Coach, Summer 2007.

Student Leadership Awards for Clubs and Organizations, Spring 2007.

Search Committee Member for Director of Learning Support Services, Fall 2006-Spring 2007.

New Program Task Force, Spring 2006.

Curriculum Workgroup, Fall 2005-Spring 2008.

Academic Assessment Workgroup, Fall 2005-Spring 2008.

Indiana State University

Geology Committee at the Department of Geography, Geology, and Anthropology, 1994-1997.

St. Xavier's College

Executive Committee of the Students' Council, 1989-1990.

Head of Geophysics and Oceanography Committees of the Geology Exhibition, 1992.

Member of the Editorial Committee for the College Magazine 'The Xavierite', 1989-1990.

Additional Service Activities

The University of Akron Wayne College, The University of Akron, and Ohio

Performed **Peer Evaluation** for Jay Boshara for his 3350:100-7745 Introduction to Geography course, October 7, 2015.

Volunteered for The University of Akron Wayne College Booth for the **Wayne County Fair**, September 10, 2005, September 12, 2006, September 8, 2007, September 11, 2008, September 17, 2009, September 11, 2010, September 10, 2011, September 8, 2012, September 10, 2013, September 8, 2014, and September 14, 2015.

Assisted with **Welcome Back Days** at The University of Akron Wayne College, August 29-30, 2005, January 17-18, 2006, August 28, 2006, August 27-28, 2007, January 14-15, 2008, August 26, 2008, January 12-13, 2009, August 24, 2009, January 11-12, 2010, August 23, 2010, January 10-11, 2011, August 22-23, 2011, January 9-

10, 2012, August 27-28, 2012, January 15, 2013, August 26-27, 2013, January 13-14, 2014, August 25-26, 2014, January 12-13, 2015, and August 31, 2015.

Volunteered for The University of Akron Wayne College Booth for the **Holmes County Fair**, August 14, 2006, August 13, 15, 17, 2007, August 17, 2009, August 9, 2012, August 5, 2013, August 6, 2014, and August 12, 2015.

Participated at the **Academic and Graduation Recognition Ceremony**, The University of Akron Wayne College, May 9, 2008, May 8, 2009, May 7, 2010, and May 6, 2011, May 4, 2012, May 9, 2014, and May 8, 2015.

Performed **Peer Evaluation** for James Duxbury for his 3370:140-720 Rocky Mountain National Parks, Orrville High school, November 11, 2014.

Performed **Peer Evaluation** for David Hodgson for his 3370:100-780 Earth Science course, October 30, 2014.

Performed **Peer Evaluation** for Dr. William A. Reinthal for his 3370:100-701 Earth Science course, October 24, 2014.

Performed **Peer Evaluation** for Dr. Amber L. Ferris for her 1100:101-702 The Akron Experience: University 101, Fall 2014.

Volunteered for The University of Akron Wayne College **Wooster Fest**, September 29, 2012, September 28, 2013, and September 27, 2014.

Represented The University of Akron Wayne College for Dr. Scarborough's **Investiture**, September 19, 2014.

Served as an **Assistant Marshall** at The University of Akron Commencement, August 25, 2007, May 8, 2011, May 11, 2014.

Participated at the **Clubs and Organizations Leadership Awards**, The University of Akron Wayne College, May 9, 2008, May 7, 2010, May 6, 2011, May 4, 2012, and May 10, 2013, and May 9, 2014.

External Evaluator for Student Posters, Dr. Amber L. Ferris' Interviewing Class, class, May 5, 2014.

Performed **Peer Evaluation** for Dr. Lawrence Moses for his 3350:100-701 Introduction to Geography course, September 30, 2013.

Faculty Co-advisor to the **Wayne Global Green Club**, The University of Akron Wayne College, Spring 2010-Spring 2011, Fall 2012-Spring 2013.

- Performed **Peer Evaluation** for Dr. A. J. Snow for his 3100:311 Cell & Molecular Biology course, April 2013.
- Assisted with **Milkshakes and Majors**, The University of Akron Wayne College, April 22, 2009, March 23, 2011, March 21, 2012, and March 20, 2013.
- Assisted with the **Career Expo**, The University of Akron Wayne College, April 17, 2009, April 16, 2010, May 13, 2011, and May 18, 2012.
- Served as the Wayne College Faculty Representative for The University of Akron Commencement, December 13, 2008 and December 10, 2011.
- Assisted with the **Open House**, The University of Akron Wayne College, October 25, 2010 and October 24, 2011.
- Volunteered for The University of Akron Wayne College Booth for the **Ashland County Fair**, September 21, 2011.
- Assisted with the **Northwestern Middle School** visit to The University of Akron Wayne College, May 8, 2009 and May 11, 2011.
- Assisted with the **Wayne County Schools Career Center Senior Visit** to The University of Akron Wayne College, October 22, 2010.
- Assisted with **Geocaching** at The University of Akron Wayne College, August 8, 2007 September 7, 2007, September 10, 2007, May 27, 2010, and July 20, 2010.
- Participated at the **Post-Secondary Enrollment Option Program Annual Reception** at The University of Akron Wayne College, May 18, 2006, May 15, 2008, May 12, 2009, and May 11, 2009.
- Volunteered at the **Scarlett, Gray, and Green Fair**, on behalf of the Wayne Global Green Club, The Ohio State University, Ohio Agricultural Research and Development Center, Wooster, Ohio, April 20, 2010.
- Participated at the **“Green Team”** meetings organized by the City of Orrville’s Mayor’s Office, May 29, 2008, June 24, 2008, and April 14, 2009.
- Assisted with **Power of the Pen Competition**, The University of Akron Wayne College, March 7, 2009.
- Volunteered at **Heartland Education Community, Inc.**, Heartland Point, Orrville, Summer 2006 (June 8, June 15, July 6, August 17), September 13, 2007, January 10, 2008, and August 28, 2008.

Professional consultation on **Oral Assessment** for Dr. Mohammed Al-Shagawi. King Faisal University, Saudi Arabia at The University of Akron Wayne College, July 23, 2008.

Assisted with the **Wayne County Schools Career Center** visit to The University of Akron Wayne College, May 28, 2008.

Served with the organization and planning of the **Spring Luncheon**, The University of Akron Wayne College, May 2, 2008.

Faculty Advisor to the **Wayne Images Photography Club** (Fall 2007-Spring 2008).

Served as an interviewer for **Invitation to Excellence: Scholarship Saturday**, Honor's College, The University of Akron, February 16, 2008.

Moderator for **Ripped From the Headlines** forum, The University of Akron Wayne College, February 13, 2008.

Served on the Perspective Panel – Professor/Student with Sarah Jane Morrow, for **Fairless Middle School** visit to The University of Akron Wayne College, January 17, 2008.

Assisted with **New Student Orientation**, The University of Akron Wayne College, June 28, 2006, January 6, 2007, July 11, 2007, and January 5, 2008.

Assisted with **Science Pre-Professional Night**, The University of Akron Wayne College, October 29, 2007.

Participated in **Community Coffee Event(s)**, The University of Akron Wayne College, September 27, 2006, October 31, 2006, November 15, 2006, February 8, 2007, March 1, 2007, September 19, 2007, October 15, November 27, 2007, February 12, 2008, March 12, 2008, and April 10, 2008.

Assisted with **Wayne Fest-Student Appreciation Days**, The University of Akron Wayne College, September 6, 2007.

Performed **Peer Evaluation** for Ms. Tanya M. Johnson, for her 2740:121-701 Study of Disease Processes course, July 2, 2007.

Assisted with the **Adult Student Open House**, The University of Akron Wayne College, June 13, 2006, November 28, 2006, and April 30, 2007.

Assisted with the **Wayne County Schools Career Center's** visit, The University of Akron Wayne College, April 20, 2007.

Assisted with the **4th Annual Writer's Workshop**, The University of Akron Wayne College, April 14, 2007.

Chaired sessions on **Nanostructures** and **Astronomy** for the **Ohio Section of the American Physical Society**, The University of Akron Wayne College, October 14, 2006.

Represented Wayne College at the **Wayne County Heart Walk**, September 23, 2006.

Monitored sessions on **Assessment and Special Initiatives at AURCO meeting**, The University of Akron Wayne College, April 8, 2006.

Volunteered with The University of Akron and The University of Akron Wayne College **scholarship applications**, February 8-9, 2006.

Hosted a **prospective student** considering attending Wayne College, January 24, 2006.

Participated in the **Voices for Choices Program for Northeast Ohio** conducted at The University of Akron Wayne College, November 3, 2005.

Assisted with the **AURCO** meeting held at The University of Akron Wayne College, October 28, 2005.

Indiana State University

Mentoring a Student for the Mentoring Assistance for Prospective Scholars (MAPS), Office of Diversity/Affirmative Action, 2005, Student: **Crystal D. Morgan**.

Junior Science and Humanity Symposium, Department of Science Education, Sponsored by the Indiana State University, Center for Science Education, and the Research Offices of the United States Army, Navy, and Air Force, March 2003 and March 2004.

Guest Lecturer for GEOG 111, The Physical Environment, Spring 2003 and the GEOG 111L, The Physical Environment Laboratory, Spring 2000.

Guest Lecturer for GEOL 160, Earth and Sky Science, Spring 1997 and Fall 1996.

Guest Lecturer for GEOG 330, World Regional Geography, Spring 1996 and Fall 1996.

Guest Lecturer for GEOL 160L, Earth and Sky Science Laboratory, Fall 1996.

Represented the Department of Geography, Geology, and Anthropology at the Parent-Student Sycamore Preview Days, Indiana State University, Fall 1995.

WORK RELATED EXPERIENCE

Student Assistant, Cunningham Memorial Library, Indiana State University, 1997 - 2004.
Library departments worked at include:

Interlibrary Loan (ILL), Circulation, Systems, Administration, Rare Books and
Special Collections (RBSC).

Student Assistant, Grounds Maintenance Division, Facilities Management, Indiana State
University, Summer of 1995 and 1996.

REFERENCES

Dr. Prodip K. Dutta, Professor Emeritus
Department of Geography, Geology, and Anthropology
Indiana State University
Science Building 159
Terre Haute, IN 47809
Telephone: (812) 237-2268
Fax: (812) 237-8029
E-mail: gedutta@isugw.indstate.edu

Dr. Jennifer L. Holz, Professor Emeritus
The University of Akron Wayne College
1901 Smucker Road
Orrville, OH 44667
Phone: 330-684-8790
Fax: 330-684-8989
E-mail: jh16@uakon.edu

Dr. Ryan R. Jensen, Professor
Department of Geography
Brigham Young University
920 Spencer W. Kimball Tower
Provo, UT 84602
Telephone: (801) 442-5386
Fax: (801) 442-0266
E-mail: rjensen@byu.edu

Dr. Debra L. Johnayak, Professor
The University of Akron Wayne College
1901 Smucker Road
Orrville, OH 44667
Phone: 330-684-8752
Fax: 330-684-8989
E-mail: dljohan@uakon.edu

Dr. John A. Maroli, Coordinator Developmental Programs
The University of Akron Wayne College
1901 Smucker Road
Orrville, OH 44667
Telephone: 330-684-8961
Fax: 330-684-8989
Email: jmaroli@uakron.edu