

Curriculum Vitae

NAME: Lanna Kay Bradshaw
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EDUCATION

Bachelors Degree: BS – Earth Science, Geology Emphasis
Texas A&M University-Commerce, Commerce Texas
Major Subject: Earth Science
Minor Subject: Geography
Graduated August, 1999

Masters Degree: MS – Earth Science
Texas A&M University-Commerce, Commerce Texas
Major Subject: Geology
Research Subject: Applications of GIS
Graduated August, 2000

ADDITIONAL EDUCATION

Currently in the Secondary and Higher Education Doctoral Program at Texas A&M - Commerce
Major: Supervision, curriculum and instruction
Additional 8 sh of undergraduate biology (botany, zoology)
Additional 18 sh of graduate biology (physiological ecology, field ecology, ecological genetics,
plant conservation, ornithology, and botony)
GIS Certification Program at University of Texas at Dallas
Introduction to GIS
Management and Implementation of GIS

PUBLICATIONS

Standard Operating Procedure for the Hach Colorimeter. Used by Texas Commission on Environmental Quality

VOCATIONAL TRAINING

40 hour OSHA personal protection and safety course meeting the requirements of 29 CFR 1910.120 (HAZWOPER)
CPR training
Basic Investigator Training for environmental investigation of public water systems
Basic water course for operation of public water supply
Water distribution course
Chlorinator maintenance

CURRENT ACADEMIC APPOINTMENTS

August 2006 – Present - Texas A&M-Commerce, Adjunct instructor, Physical Geology, Historical Geology, Environmental Science and Integrated Science Instructor (IS 1417 was taught online Fall 2010 – Spring 2011), Earth science for Teachers (Online)

August 2011 – Present – Bishop Lynch H.S. 2 sections AP Biology and 2 sections A.P Environmental Science including laboratories for Eastfield College.

PREVIOUS ACADEMIC APPOINTMENTS

August 2012 - December 2012 – Richland College, Adjunct instructor, 2 sections Earth Science online.

August 2009 – May 2011 - Richland College, Adjunct instructor, Physical Geology, Historical Geology, and Earth Science (Taught two fast-track sections of esci online Spring 2011)

August 2008 – August 2009 - Bishop Lynch H.S.

A.P. Biology, A.P. Environmental Science, including laboratories for Eastfield College

July 2005 – May 2009

Eastfield College – Dallas County Community College District

Adjunct Geology Instructor: Physical Geology, Historical Geology, and Earth Science, including Laboratories and General Biology

January 2004-2007

Richland College – Dallas County Community College District

Adjunct Geology Instructor: Physical Geology, Historical Geology, including Laboratories.

September 2005 – 2008

Collin County Community College.

Adjunct Instructor: Physical Geology and Earth Science, including Laboratories.

August 2004-Dec 2005

Texas A&M University Commerce

Graduate Assistant: Fall 2004 taught 5 non majors general Biology Laboratories and spring 2005 taught two Physical Geology Laboratories and Environmental Geology Laboratory for Environmental Science majors. Responsible for preparation of lab equipment, student tests and grade reporting.

August 2000- December 2005

Paris Junior College-Greenville Campus

Adjunct Geology Instructor: Taught evening classes, including laboratories, of Physical and Historical Geology

January 2002 – April 2002

Richland College

Geology Instructor: Taught 1 section of Physical Geology with Lab and 1 section of Historical Geology with Lab

August 2000-May 2001

Texas A&M University - Commerce

Interim geology instructor: Taught 7 sections in 3 courses of undergraduate Geology and Earth Science (Non-majors Earth Science, Physical Geology, Mineralogy and Crystallography). Supervised and taught 10 undergraduate Geology and Earth Science Laboratories. Served as faculty advisor for the Student Geological Society, advising these students on budget, marketing, community service, etc.

August 1999-May 2000

Texas A&M University-Commerce, Commerce Texas

Graduate assistant: Taught 5 Earth Science laboratories per week, including Introductory Earth Science, Physical Geology, and Mineralogy/Crystallography. Supervised student workers within the department. Assisted a departmental Professor with an ongoing hydrological research project at Cooper Lake, Cooper, Texas. Duties on project included: taking water samples and organizing data and results.

1998-August 1999

Texas A&M University-Commerce, Commerce Texas

Student worker; helped graduate assistants with teaching Earth Science Labs.

RESEARCH BACKGROUND

January-July, 2000. Master's Degree Research Component (Supervisor, Dr. T.S. Ghaly).

Conducted review of GIS applications with particular emphasis on applications within the geosciences. Other applications covered included city planning, emergency planning, forestry, and wildlife. Practical experience in GIS was obtained through two courses taken at the University of Texas at Dallas (see Additional Education).

May - June, 1999. Field Assistant for Dr. Haydn Fox.

Collected water samples from a swimming beach at Cooper Lake State Park. Conducted analyses of fecal coliform, algae, biological oxygen demand, dissolved oxygen, turbidity, nitrates, ammonium, chloride, and phosphorous.

PREVIOUS EMPLOYMENT

April 2002 – May 2004. Texas Commission on Environmental Quality. Environmental Investigator. Duties were to inspect domestic water treatment plants to ensure regulatory compliance. Also acted as regional GPS trainer for state personnel and as the regional testing coordinator for water system operator licensing and testing.

TECHNICAL SKILLS

- Proficient in the use of MS-Powerpoint for presentations and course delivery
- Word Processing using MS-Word
- Preparation of technical reports
- Rock and Mineral Identification
- Geological survey techniques including use of an alidade and measurement of strike and dip using a Brunton compass
- GPS using the Trimble Geo Explorer 3
- Collection and analysis of water samples using colorimetric methods
- Standard Light Microscopy
- Data entry and analysis using spreadsheets (MS-Excel)
- Digital imaging using digital cameras, scanners, and Adobe Photoshop LE
- Use of ECollege and ECampus for online classes

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- Geological Society of America (Professional Member) 2004 - 2013
- National Association of Geoscience Teachers (Regular Member) 2004 - 2013
- Texas State Teachers Association, 2001-2003
- Alpha Chi Honor Society, 1999-2000
- Student Geological Society, 1998-2000, Vice President, 1999-2000

STUDENT MENTORSHIP

- Academic advisor for the Student Geological Society, TAMU-C, 2000-2001.