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EDUCATION

May 2005

Doctor of Education, Secondary and Higher Education
Texas A&M - Commerce, Commerce, TX

Dissertation: Relationship Between Teachers' College Science Preparation and Their Attitudes
Toward Science

December 1990

Master of Science, Chemistry - Chemical Physics
Washington State University, Pullman, WA

Thesis Title: Raman Spectroscopic Analysis of Thin Film Phthalocyanine Metal Devices

May 1988

Bachelor of Science, Engineering Physics
Abilene Christian University, Abilene, TX

Summer 1984

General Coursework
Colorado Mountain Community College, Glenwood Springs, CO

June 1983

High School Diploma
Glenwood Springs High School, Glenwood Springs, CO
Member of Top 10 in Graduating Class of over 120

EXPERIENCE

Sep 1993 - Present

Professor of Physics and Chemistry
Northeast Texas Community College (NTCC), Mount Pleasant, TX

Permanent Faculty Position

NTCC follows a flat administration structure. Each faculty member reports directly to the Executive Vice-President of Instruction. The Executive Vice-President of Instruction reports directly to the President. Because of the flat structure, faculty members take on some of the responsibilities normally handled by a Dean, or Chairperson. The physics department contains only one faculty member; thus, as that faculty member, the additional duties include, but are not limited to: 1) initiating budget requests, 2) managing budgets, 3) course scheduling, 4) determining departmental course offerings, 5) coordinating between departments, 6) adjunct instructor issues, 7) use of building space, 8) coordinating departmental dual credit, 9) hiring and managing lab personnel, 10) equipment maintenance issues, 11) Dealing with Reductions in Budgets and Resources, 12) Administration of Grants, 13) Articulation Agreements, and other duties as assigned or needed.

Courses Taught at NTCC

- PHYS 1401 General Physics I (Algebra/Trigonometry Based)
- PHYS 1402 General Physics II (Algebra/Trigonometry Based)
- PHYS 2425 Advanced Physics I (Calculus Based)
- PHYS 2426 Advanced Physics II (Calculus Based)
- CHEM 1411 General Chemistry I (Scientific and Pre-Professional)
- CHEM 1412 General Chemistry II (Scientific and Pre-Professional)
- CHEM 1405 Introductory Chemistry I (Nursing and Health Professions)
- CHEM 1407 Introductory Chemistry II (Nursing and Health Professions)
- TECM 1303 Technical Math (Automotive Emphasis)

Courses Developed, and then Taught for NTCC

- PHYS 1411 Introduction to Astronomy (Now Stars and Galaxies)
- PHYS 1415 Introduction to Physical Science I (Developed for Education Majors)
- PHYS 1417 Introduction to Physical Science II
- PHYS 1415 Online
- PHYS 1415 Hybrid (50% class and 50% online)

September 1990 - May 1993

Assistant Professor of Physics

Abilene Christian University, Abilene, TX

Temporary Position as Sabbatical Replacement for Three Different Professors in the Physics Department

Courses/Responsibilities

- Astronomy, over 250 students per class
- General Physics (Algebra / Trig based)
- Coordinated Teaching Assistants for Labs in both classes

September 1988 - May 1990

Teaching Assistant

Washington State University, Pullman, WA

- Teaching Assistant for General and Physical Chemistry Labs.

May 1988 – June 1988

Research Assistant

Los Alamos National Laboratory / ACU, Los Alamos, NM

- General Duties Related to Preparing for Linear Accelerator Experiment

May 1987 - August 1987

Research Assistant

Sandia National Laboratory, Albuquerque, NM

- Class Q Clearance Obtained for work on Classified Research during the Outstanding Student Summer Intern Program

September 1986 - May 1988

Lab/Research Assistant

Abilene Christian University, Abilene, TX

- Calculus Based Physics and General Physics Lab Teacher. Research work involving Auger and X-ray Photoelectron Spectroscopy.

December 1982 – August 1983

Nursery Worker / Sales

Glenwood Floral, Glenwood Springs, CO

- Transplanted Plants, Prepared Soil, Sales, Delivery and Planting in Aspen

June 1977 – August 1982

General Laborer

Glenwood Fencing, Glenwood Springs, CO

- Installed Chain Link or Wood Fencing

PRESENTATIONS / PARTICIPATION / ADMINISTRATION

2009/2010

- Nominated by the President of NTCC as the Piper Award Representative from NTCC. Each Institution in Texas may nominate only one teacher per year for this very prestigious award. Awards for the 15 Piper awards occur in the Spring of 2010.

1993 – Present

- Texas Community College Teachers Association
- Some Committee work

1993- Present

- Obtained Charter and acted as Sole advisor for SPS since its inception as a student organization at NTCC.
- Spring 2008 Recognized as the SPS chapter in the State of Texas and New Mexico (zone 13) with the highest membership. Achieving this honor is quite remarkable considering SPS zone 13 contains essentially every two-year college, four-year college, and major university in both states.

March 2009

- Nominated and ran for President of Zone 13 Section of the American Association of Physics Teachers

5/19/2009

- Organized and Hosted at NTCC a Joint Meeting with Texas A&M University to develop a partnership in the Lewis Stokes - Minority Participation Grant.