

Ruth Ann Murphy, Ph.D.
Curriculum Vita

The University of Mary Hardin-Baylor
Chairperson, Department of Chemistry & Geology
Professor of Chemistry
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ACADEMIC POSITIONS

The University of Mary Hardin-Baylor, Belton, Texas, 1995-present, Chairperson, Department of Chemistry and Geology, and Tenured Professor of Chemistry.

Courses taught. College Chemistry, Foundations of Bio-Organic Chemistry, General Chemistry I and II, Laboratory Assistant Internship*, Physical Chemistry I and II, Practicum in Clinical Chemistry, Seminar.
*This is a course I initiated and developed.

Committee Memberships. Biology Department Faculty Search*; Chemistry Department Faculty Search, chairperson; Christian Planning, previously chairperson; Christian Studies Faculty Search*; Environmental Concerns*; Joint Admission Medical Program (JAMP), chairperson; School of Nursing Faculty Search*; Vice-President Academic Affairs/Provost Search*.

* Previous assignments

Advising. Chemistry, Pre-Dental, Pre-Medical, Pre-Medical Terminology, Pre-Occupational Therapy, Pre-Pharmacy, Pre-Physical Therapy.

Additional Responsibilities: Goldwater Scholarship Faculty Representative, Graduate Faculty, Joint Admission Medical Program (JAMP) Faculty Director, Teacher Education Council, United Way Coordinator (previously)

Howard Payne University, Brownwood, Texas, 1984-1995, Head, Department of Physical Science and Professor of Chemistry; 1984-1990, Chairman, Division of Science and Mathematics. Liaison to Howard College School of Nursing.

Courses Taught. Advanced Inorganic Chemistry, Calculations for General Chemistry I and II*, Descriptive Physical Science (Chemistry section), Drugs in Our Society*, Environmental Science: Air Quality Studies*, Environmental Science: Water Quality Studies*, General Chemistry I and II, Health Professions Survey*, Hospital Internship*, Laboratory Assistant Internship*, Quantitative Chemistry, Seminar.

*These are courses I initiated and developed.

Other Experience:

The University of Albuquerque, Albuquerque, New Mexico, Chemistry Coordinator and Assistant Professor of Chemistry. Part-time Assistant Professor. Taught in Weekend College Program, Science Seminar for non-Science Majors.* Other courses taught: General Chemistry I and II, Chemistry and Society, Organic Chemistry Lab.

*This is a course which I designed.

The University of New Mexico, Albuquerque, New Mexico, Part-time Lecturer/Visiting Assistant Professor.

Courses taught: General Chemistry I and II with Lab, Physical Chemistry I and II Lab.

Southwestern University, Georgetown, Texas, General Chemistry Lecturer and Lab Assistant.

The University of Wisconsin, Madison, Wisconsin, Chemistry Department Teaching Assistant.

The University of Texas at Austin, Chemistry Department Teaching Assistant,

The University of Texas at Austin, Chemistry Department Research Assistant, Spectroscopic Studies of Cinnamic Acids.

EDUCATION

Ph.D. Major: Physical Chemistry. Minor: Mathematics.

Dissertation: "A Proton Magnetic Resonance Study of Hydrogen Bonding in Aliphatic Secondary Amines." The University of Texas at Austin.

Research Directors: Dr. Jeff C. Davis, Jr., and Dr. L. O. Morgan.

Additional Graduate Studies: Physical Chemistry, Organic Chemistry, Organic Chemistry Lab, the University of Wisconsin, Madison, Wisconsin.

B.S. Major: Physical Chemistry. Minor: Mathematics.

The University of Texas at Austin.

PROFESSIONAL AND HONORARY SOCIETIES

American Chemical Society, Central New Mexico Section, Advisor and Treasurer, previously; Heart O'Texas Section; Division of Chemical Education; Division of Chemical Health and Safety

American Institute of Chemists, Fellow.

American Red Cross, Board Member, Brownwood, Texas.

Texas Association of Advisors for the Health Professions, Chair and Member-at-Large previously

National Association of Advisors for the Health Professions

Phi Beta Kappa, Iota Sigma Pi, Alpha Lambda Delta.

Allied Center for Health Professions, Board Member, Brownwood, Texas.

Brownwood Association of Scientists and Engineers.

ADDITIONAL EXPERIENCE

Textbook Reviews:

Chang, *Essential Chemistry*.

Halpern, *Physical Chemistry Lab*.

Hendrickson, Boyd, Hunter, *A Laboratory for General, Organic, and Biochemistry*.

Hill, Baum, Scott-Ennis, *Introduction to General, Organic and*

Biochemistry.

Lewis, *Decoding Chemistry*.

Liska, *Drugs and the Human Body with Implications for Society*.

Workshops Attended Recently.

Embedded Assessment.

Analyzing, Reporting, Evaluating and Tracking Embedded Assessment Data. (scheduled for March 2007)

Assessment (scheduled for May 2007)

Workshop Presentations.

Laboratory Safety for High School Teachers

Incorporating the Laboratory into High School Chemistry

The Chemical Content of Drugs

RESEARCH INTERESTS

Novel Experiments for Undergraduate Chemistry Labs, Spectroscopic Studies of Hydrogen Bonding. Publications: Hydrogen Bonding Studies Using Proton Magnetic Resonance.

HOBBIES

Piano, Poetry Writing.