CURRICULUM VITAE

Suzanne Hieger Pundt

EDUCATION:

1976-1979 — **Texas A&M University**
B.S. in Medical Technology
(1981, Summa Cum Laude)

1980-1981 — **Clinical Laboratory Science Program**
Department of Biology
The University of Texas at Tyler

1983-1988 — **The University of Texas at Tyler**
M.S. in Interdisciplinary Studies (Biology, Biochemistry and Computer Science)

PROFESSIONAL REGISTRATION:

Medical Technologist/Clinical Laboratory Scientist
American Society of Clinical Pathologists
#143009, 1981

ORGANIZATIONS:

American Society of Clinical Pathologists, Associate Member 1981-present

Human Anatomy and Physiology Society, Member 2002-3 and 2004-present

AWARDS AND RECOGNITION:

April 2008 — **Guest of Honor** for Kate Lightfield, Student Athlete of the Year Finalist at the Student Athlete Awards Dinner

November 2009 — Texas Alpha Xi Chapter of Alpha Chi Honor Society
Outstanding Faculty Award Winner (Arts and Sciences; Sciences and Mathematics)

June 2010 — **The University of Texas System**
Regents' Outstanding Teaching Award Winner
Contingent Category

April 2, 2011 — Alpha Chi National College Honor Scholarship Society
Distinguished Service Award
National Convention
San Diego, California

November 2011 — Texas Alpha Xi Chapter of Alpha Chi Honor Society
Outstanding Faculty Award Winner (Arts and Sciences; Sciences and Mathematics)

August 2013 — **White Fellowship for Teaching Excellence 2012-2013**
The University of Texas at Tyler

November 2014 — Texas Alpha Xi Chapter of Alpha Chi Honor Society
Outstanding Faculty Award Winner (Arts and Sciences; Sciences and Mathematics)

November 2016	Texas Alpha Xi Chapter of Alpha Chi Honor Society **Outstanding Faculty Award Winner** (Arts and Sciences; Sciences and Mathematics)
December 2016	**Excellence in Teaching Award** UT Tyler Chapter of the National Society of Leadership and Success

PROFESSIONAL APPOINTMENTS:

1981-1982	**Medical Technologist** (Clinical Laboratory Scientist); 10 PM to 7 AM shift Clinical Laboratory Good Shepherd Medical Center Longview, Texas
1982-2001	**Assistant Program Director and Senior Lecturer in Biology** Program in Clinical Laboratory Science The University of Texas at Tyler Tyler, Texas
2001-June 2003	**Senior Lecturer in Biology** (The Program in Clinical Laboratory Science was closed in 2001) The University of Texas at Tyler Tyler, Texas
Aug 2003-Jan 2004	**Medical Technologist** All Saints Healthcare Racine, WI
Jan 2004-Aug 2004	**Laboratory Site Coordinator** Spring Street Clinic All Saints Healthcare Racine, WI
August 2004-Present	**Senior Lecturer in Biology**
2006 -Present	**Anatomy & Physiology Coordinator** The University of Texas at Tyler Tyler, Texas

TEACHING EXPERIENCE:

Lectures in Clinical Pathology

Hematopoiesis
Normal Hematological Morphology
Laboratory Evaluation of Anemia, Non-routine methods
Cytochemistry and Immunological Markers in Hematology
Routine Urine Chemistry
Examination of Urinary Sediment
Non-routine Methods of Urinary Screening
Urinary Case Studies
Introduction to Immunity and the Phagocyte System
Biology of the B Lymphocyte
Biology of the T Lymphocyte
The Major Histocompatibility Complex
The Immunoglobulins
Hypersensitivities
Immunodeficiency Diseases
Clinical Methodologies in Serology (two lectures)

Laboratory Evaluation of Immunity
Immunology Case Studies
Basic Immunohematology
Other Antibodies and Autoantibodies
Basic Laboratory Principles in Chemistry
Proteins
Laboratory Mathematics (two lectures)
Lipids
Porphyrins
Renal Function
Electrolytes
Acid-Base Homeostasis
Arterial Blood Gases
Blood Gas Case Studies
Endocrinology I
Endocrinology II
Virology

Laboratory Exercises in Clinical Pathology

Normal Hematological Morphology
Abnormal Hematological Morphology
White Blood Cell Differential Counts
Phlebotomy
Peripheral Smear preparation and staining
Erythrocyte Sedimentation Rates
Microhematocrits
Manual Cell Counts
Reticulocyte Counts
Routine Urinary Chemical Testing
Urinary Sediment Examination (two laboratory periods)
ABO Typing and A subgrouping
Rh Typing, Du Testing and Genotyping
Antibody Detection
Compatibility Testing
Cord Blood Typing, Direct Antiglobulin Testing /Heat Eluates
Rh Immune Globulin Workup /Fetal Screens

Biology Courses Taught

Human Anatomy and Physiology I Lecture and Laboratory
Human Anatomy and Physiology II Lecture and Laboratory
General Biology I Lecture
General Biology II Lecture
Human Physiology Lecture and Laboratory
Pathophysiology Lecture (Interactive Video to 5 campuses)
Pathophysiology Online
Graduate Pathophysiology Lecture (Interactive Video; 5 campuses)
Immunology Lecture (for Graduates and Undergraduates)
Graduate Topics in Biology (team-taught with one or two other instructors); Topics covered:
- Regulation of Energy Metabolism
- Vitamins
- Programmed Cell Death (Apoptosis)
- DHEA
- Renal and Pulmonary Homeostasis
- General Chemistry 1 Laboratory (two sections for one semester only)

SCHOLARLY CONTRIBUTIONS AND CREATIVE PRODUCTIONS:

1990	"**Nonspecific Factors of Immunity**" Chapter for the text *Immunologic Obstetrics*, Faulk, McIntyre and Coulun eds., Norton Publishing; Coauthored with James Koukl
Summer 2008	Reviewed **Human Anatomy and Physiology text prospectus** and **two chapters** for Pearson-Benjamin Cummings Publishing
February 2010-May 2012	Consulting for **Eolas Technologies Incorporated** (along with John Placyk); Beta testing Eolas' Anatlab System, an online educational reference resource for the anatomical sciences

February 26, 2010	**Poster Presentation: Vertical Alignment and Impact on Teacher Preparation at UT Tyler**, at the College and Career Readiness Initiative: Science Faculty Collaborative Symposium II in San Antonio, TX (Coauthors: Michael Odell, Bambi Bailey, Randy Back)
September 23-24, 2010	**Presentation: Vertical Alignment and Impact on Teacher Preparation at UT Tyler**, at the at the College and Career Readiness Initiative: Mathematics and Science Summit in San Antonio, TX (Coauthors: Michael Odell, Bambi Bailey, Randy Back)
May 2011	**Original educational illustration/diagrams** (Respiration, pH and Potassium, and Capillary Dynamics) submitted for "A HAPpening Art Contest and posted on Pearson Sciences website: http://www.pearsonhighered.com/haps2011/art.html
July 7-9, 2011	**Team-Based Learning/College Readiness Writing Retreat Participant** (By invitation only) Moody Gardens, Galveston, Texas Sponsored by the Texas Higher Education Coordinating Board through the Science Faculty Collaborative and the Career and College Readiness Initiative
October 2011	Reviewed **chapter sample module** of a fully digital Anatomy and Physiology textbook for Pearson-Benjamin Cummings Publishing
March 2012	**Reviewed** three sections (Nervous, Endocrine, Respiratory, Blood, Cardiovascular, Urinary, Lymphatic, Digestive and Metabolic) of ***Visual Analogy Guide to Human Anatomy and Physiology*** for Morton Publishing
March 2012	Performed a comparison of specific topics on **WileyPlus** (Wiley) **and Mastering A&P** (Pearson) online learning platforms for Pearson-Benjamin Cummings Publishing
June 2012	**Reviewed** the **Urinary System Chapter** of a new A&P text (By Erin Amerman) for Pearson-Benjamin Cummings Publishing
October 2012	**Editorial Summit Participant** (by invitation) for Amerman text In San Francisco, CA for Pearson-Benjamin Cummings Publishing
November 2012	Authored an **animation storyboard** of Countercurrent Multiplication in the Nephron for Pearson-Benjamin Cummings Publishing
April 2013	Named **Consulting Advisor** for the new A&P textbook by Erin Amerman, under development by Pearson-Benjamin Cummings Publishing
May 2013	**Reviewed** the final pre-publication version of the **Urinary System Chapter** of a new A&P text (By Erin Amerman) for Pearson-Benjamin Cummings Publishing

July 2013	**Reviewed proposed features** for the new edition of the **Marieb *Human Anatomy and Physiology Lab Manual*** for Pearson-Benjamin Cummings Publishing
August 2013	**Reviewed alpha versions of Muscle Contraction and Relaxation Animation** for the new Human A&P textbook by Erin Amerman, under development by Pearson-Benjamin Cummings Publishing
Fall 2013	Developed content for **Foundations of Human Anatomy and Physiology MOOC** (with John Placyk), sponsored by Academic Innovation and Student Success, UT Tyler
Nov 2013	**Reviewed** the **Endocrine System Chapter** of a new A&P text (By Erin Amerman) for Pearson-Benjamin Cummings Publishing
Nov 2013	Reviewed four Storyboards for Pre-lab Videos and the overview of remaining videos as part of the new edition of Marieb's ***Human Anatomy and Physiology Laboratory Manual***, for Pearson-Benjamin Cummings Publishing
Summer 2014	Created 27 chapter PowerPoint files (part of Instructor Resources) for the text to be published in January of 2015 *Human Anatomy and Physiology* (1st ed) by Erin C. Amerman, Pearson-Benjamin Cummings Publishing
July15-17 2014	**The Power of Adaptive Learning--Building Foundational Knowledge and Increasing Insights and Accountability One Student at a Time;** invited presentation at Blackboard World (Las Vegas, NV) with Siobhan Carroll (Seneca College); discussed Orion Adaptive Learning; sponsored by John Wiley and Sons Publishing
Summer – Fall 2014	Reviewed new Storyboards and rough-cut Videos for Muscle Contraction, Hematocrit, Diffusion and Osmosis, Salivary Amylase and Stretch Reflexes as part of the new edition of Marieb's ***Human Anatomy and Physiology Laboratory Manual***, for Pearson-Benjamin Cummings Publishing
Summer – Fall 2014	**Chair of Alpha Chi National Council Publications Committee**; designed new online undergraduate research journal, hired an editor, and implemented conversion from printed format
Dec 2014 –Jan 2015	Authored a **Coaching Activity** for Mastering A&P Exercise 1 *Getting Started – What to Expect, The Scientific Method and Metrics* of Marieb/Mitchell, Human Anatomy & Physiology Laboratory Manual for Pearson-Benjamin Cummings Publishing
May 2015	Performed a comparative chapter review between the new Amerman Human Anatomy and Physiology text (Pearson-Benjamin Cummings) and the Tortora Principles of Anatomy and Physiology text, for John Wiley and Sons Publishing.
March 2016	Reviewed **PhysioEx 9.1** software in preparation for edition revisions, Pearson-Benjamin Cummings Publishing

Spring 2016	Authored an **Educator's Study** for Pearson-Benjamin Cummings Publishing on the implementation of MasteringA&P at UTT: http://www.pearsoned.com/results/masteringap-educator-study-reports-implementation-results-university-texas-tyler/
November 2016	Authored a **Teaching & Learning Blog** for Pearson-Benjamin Cummings Publishing on the use of online homework systems: http://www.pearsoned.com/education-blog/homework-online-digital-program/
January 2017	Performed a pre-revision review of the **Amerman *Human Anatomy and Physiology* text** and its accompanying **Mastering A&P** learning platform, for Pearson-Benjamin Cummings Publishing

ALPHA CHI HONOR SOCIETY

1986-1987	**Texas Alpha Xi Chapter of Alpha Chi Honor Society**, Faculty Representative
1987-June 2003	**Texas Alpha Xi Chapter of Alpha Chi Honor Society**, Faculty Sponsor
August 2004-Present	**Texas Alpha Xi Chapter of Alpha Chi Honor Society**, Faculty Sponsor
April 1996	**Elected Vice-President of Alpha Chi Region II (Two-year term)**
April 1998	**Organized and Sponsored the Alpha Chi Region II Convention** at The University of Texas at Tyler Elected **President of Alpha Chi Region II (Two-year term)**
March 6-8, 2008	Elected to serve as the **Region II Secretary/Treasurer and member of the National Council of Alpha Chi**
December 13, 2012	Installed the **Texas Alpha Beta Chapter of Alpha Chi at Texas A&M University**–Texarkana as a representative of the Alpha Chi National Council
Fall 2015-present	**Appointed as a Manuscript Editor for *Aletheia*, the new Alpha Chi Journal of Undergraduate Scholarship** (ongoing position)

BIOGRAPHY

Human Pathology has always been my primary area of interest. I came by this honestly, because my father is a Pathologist, and my mother is a Medical Technologist. Consequently, dinner conversations regarding interesting autopsies and the like were ordinary fare at my parent's house. My undergraduate degree in Medical Technology (Clinical Laboratory Science) from Texas A & M was the natural result of this interest, and luckily, it led me to complete my required clinical training in the UTT program run by Dr. James Koukl.

Upon graduation, I worked for a year in the laboratory at Good Shepherd Medical Center, until I was contacted by Dr. Koukl about a job. He invited me to apply for a newly approved position (assistant director), working with him in the Clinical Laboratory Science program. At the time, teaching was not something that I had ever considered doing, but after some thought, I decided to give it a try. A condition of my hiring was that I would complete a master's degree. This was already a part of my plans, and would certainly be more convenient working at a university. So at the age of twenty-four, I began teaching, and it did not take me long to realize that I loved it. I have been teaching in the biology department ever since, and I plan to continue teaching here until retirement.

I am pretty obsessive-compulsive about teaching and I work very hard to make sure that my courses are the best that they can be for my students. So I was very happy to receive a University of Texas System Regents Outstanding Teaching Award in 2010, and the White Fellowship for Teaching Excellence for 2012-2013.

Another role I play at UTT is as the faculty sponsor for the Texas Alpha Xi Chapter of Alpha Chi Honor Society. I am also the regional secretary-treasurer, and as such, I am a member of the National Council of Alpha Chi. Alpha Chi is a coeducational society that admits to membership junior, senior and graduate students from all academic disciplines that have earned a minimum GPA of 3.5 and also fall in the top five percent of their respective college. Membership in Alpha Chi recognizes previous accomplishments and provides opportunity for continued growth and service.