TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Erica N. Nierth Title: Professor of Instruction

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PHD	2007	Tulane University	Molecular and Cellular Biology	
MS	1994	Tulane University	Ecology, Evolutionary and Organismal Biology	
BS	1992	Texas Christian University	Biology	

C. University Experience

Position	*University*	*Comments*	*Dates*
Professor of Instruction, Biology	Texas State University. San Marcos, TX		November 2024 - Present
Senior Lecturer/Lab Coordinator	Texas State University. San Marcos, TX		August 2011 - November 2024
Instructor	Kingwood College/AHS		2010 - 2011

II. TEACHING

A. Teaching Honors and Awards:

Award / Honor Recipient: Sun Belt Faculty of the Year.
August 2021

Award / Honor Recipient: 2021 College Achievement Award for Excellence in Teaching, College of Science and Engineering, Texas State University.
April 2021 - August 2021

Award / Honor Recipient: Student Athlete Faculty of the Year, Texas State University.
March 2021 - April 2021

Award / Honor Recipient: Favorite Professor, Alpha Chi Honor Society, Texas State University.
2016
2014

B. Courses Taught:

Texas State University:

BIO 1130 - FUNCTIONAL BIO LAB

BIO 1330 - FUNCTIONAL BIOLOGY

US 1100 - UNIVERSITY SEMINAR

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Member, Candidacy Exam, Status: Completed. (November 16, 2021 - Present). Biology, Texas State University.
Student(s): Michael McClennan, Graduate, Master's.

Member, Candidacy Exam, Status: Completed. (December 4, 2020). Biology, Texas State University.
Student(s): Corina Mier Y Teran, Graduate, Non-thesis Master's.

D. Courses Prepared and Curriculum Development:

Functional Biology LA Program Lead, Curriculum Development, Texas State University: August 2022 - Present.

Additional Comments: Overhaul curriculum of BIO 1330 by incorporating 50% of class time with active learning, and incorporating learning assistants (LAs) into the course.

Functional Biology Learning Assistant Program Development and Course Redesign, Curriculum Development, Texas State University: August 2022 - Present.

Functional Biology Hybrid, Curriculum Development, Texas State University: July 2016 - Present.

Functional Biology, Curriculum Development, Texas State University: 2011 - Present.

Functional Biology Laboratory, Curriculum Development, Texas State University: August 2011 - 2022.

US 1100 Healthcare Exploration restricted to pre-health minors, Curriculum Development, Texas State University. Taught: August 2024 - December 2024.

Functional Biology Laboratory Online, Curriculum Development, Texas State University. Taught: January 2021 - 2021.

Functional Biology Honors, First Time Course Preparation, Texas State University. Taught: January 2021 - Present.

F. Other:

Guest Lecture, Lecture for HS 1310, College of Health Professions. 50. (September 2025).

Guest Lecture, Guest lecture - HS1310, College of Health Professions. San Marcos. 50. (October 2024).

Guest Lecture. (September 1, 2017 - 2020).
BIO+5100_7100+Syllabus+2017+Fall (1)-1.pdf
Additional Comments: Prepared presentation and led discussion for Professional Development (5100) - Sept 29, Oct. 6, Nov. 10.

Guest Lecture, Professional Development 5100. 25. (January 19, 2017 - April 27, 2017).

Additional Comments: Developed presentation & led discussion for Professional Development 5100, Spring 2017 (February 16 & 23, March 2).

G. Teaching Professional Development Activities Attended

Conference Attendance, "College of Science and Engineering Symposium on Student Success," Texas State University, San Marcos, TX. (December 3, 2025).

Tutorial, "CatStats Training - Data Literacy," Texas State University, San Marcos, TX. (September 17, 2025).

Workshop, "Strategies for Conducting Peer Teaching Evaluations," Texas State University, San Marccos, TX. (September 2, 2025).

Workshop, "STEM Community Project Summer Workshop," STEM Communities, Texas State University, San Marcos, TX. (May 2024).

Conference Attendance, "TXST STEM Conference," Texas State University, San Marcos, TX. (April 2024).

Workshop, "Transformers Course Redesign Project," Texas State University, San Marcos. (April 2023 - August 2023).

Workshop, "STEM Community Project Summer Workshop," STEM Communities - Texas State University, San Marcos. (May 2023).

Workshop, "STEM Faculty/LA Communities Summer Institution," Texas State University, STEM Communities, San Marcos, TX, United States. (May 2022).

Conference Attendance, "National Science Teachers Association Conference," National Science Teachers Association, Houston, TX. (March 31, 2022 - April 2, 2022).

Conference Attendance, "National Association of Biology Teachers Annual Conference (virtual)," National Association of Biology Teachers. (November 2020 - 2020).

Workshop, "STEM Teaching," STEM Communities, San Marcos. (May 18, 2020 - May 22, 2020).

Conference Attendance, "Annual Conference," National Association of Biology Teachers, Chicago, IL, United States. (November 17, 2019 - November 19, 2019).

Conference Attendance, "Freshman Research Initiative," University of Texas, Austin, TX, United States. (October 3, 2018 - October 4, 2018).

Workshop, "Improving your Online Course," Quality Matters, San Marcos. (January 12, 2017).

Seminar, "Pedagogy in Large Lectures," Texas State University, San Marcos, United States. (October 2016 - December 2016).

Course for SACSOC requirements for faculty teaching distance education, "Foundations in Online Course Design and Development Course," Texas State University, San Marcos, TX, United States. (August 2016 - September 2016).

Seminar, "Hybrid Course Teaching Experiences." (September 6, 2016).

Tutorial, "Technology training - Camstasia & Articulate," Texas State University, San Marcos, TX, United States. (March 23, 2016).

Workshop, "Active Learning in a Flipped Class," Texas State University, San Marcos, TX, United States. (February 4, 2016).

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

b. Textbooks:

Non-refereed:

Idema, J. L., Nierth, E. N., Gabor, C., Pesthy, C., & Nolen, Z. (2023).

Nierth, E. N., Gabor, C., Pesthy, C., Nolen, Z., & Idema, J. L. (2019).

B. Works Not in Print:

2. Invited Talks, Lectures, and Presentations:

Hastings, C. K. (Presenter/Author), Nierth, E. N. (Presenter/Author), Patterson, M. J. (Presenter/Author), COSE Symposium on Student Success, "The Course Transformation Project: A Faculty-Centered Team Approach to Improving Student Learning in High D/F/W Courses," COSE, San Marcos, TX, United States. (December 3, 2025).

3. Consultancies:

For Profit Organization, KJ Scientific, Georgetown, TX, United States. (May 2014 - 2021).

4. Workshops:

Hastings, C. K., Nierth, E. N., Patterson, M. J., Suh, E. K. J., Weimer, N. E., Hailey, C. E., Chang, C. T., Williamson, P. S., Weimer, A. A., Texas Student Success Conference, "The course transformation project: a faculty-centered team approach to improving STEM learning in High D/F/W courses.," Texas Higher Education Coordinating Board, Austin, TX, United States. (October 29, 2025).

C. Scholarly / Creative Grants and Contracts:

2. Submitted, but not Funded, External Grants and Contracts:

Galloway, Heather C (Principal), Olmstead, Alice R (Co-Principal), Ojeda-Ruiz, Ivan (Co-Principal), Aspbury, Andrea (Co-Principal), Feng, Li (Co-Principal), Close, Eleanor W (Supporting), Patterson, Cody Lynn (Supporting), Luxford, Cynthia J (Supporting), Lewis, Karen A (Supporting), Nierth, Erica N

(Supporting). Bobcat Aspiring Scholars in STEM (BASS), National Science Foundation, Federal, $1,500,000.00. (Submitted: February 2022). Grant.
Project Summary-submitted-1.pdf

IV. SERVICE

A. Institutional

1. University:

University Mentor, MedLife. (August 2024 - Present).

Undergraduate Advisor, Summer New Student Orientation Pre-Health Advising Informational Sessions. (May 2023 - Present).

Undergraduate Advisor, Bobcat Days Pre-Health Professions Advising Informational Sessions. (2023 - Present).

Undergraduate Advisor, Pre-Health Professions Advisor. (August 2022 - Present).

Chair, Pre health interview committee. (April 2022 - Present).

University Mentor, Pre - Nursing Organization. (August 2019 - Present).

Organizer, Health Professions Programs Fair. (February 2025).

Member, Course Transformation Facilitator Project. (April 2024 - January 2, 2025).

University Mentor, Campus CERT organization. (September 2024 - December 2024).

Organizer, Pre Health Professions Fair. (February 2024).

Member, Student Success Platform Committee. (October 2022 - 2023).

University Mentor, Pre-nursing living learning community. (August 24, 2017 - May 2023).

University Mentor, TriBeta Biological Honor Society Faculty Mentor. (January 2013 - May 2023).

Additional Comments: Texas State University

Member, Pre-health professions interview committee. (2013 - 2022).

Additional Comments: Texas State University

Facilitator, Faculty Development - Program for Excellence and Scholarship (PETS). (January 26, 2018).

Multiple faculty search committees. (2012 - 2015).
Additional Comments: Texas State University

Judge, Graduate College Research Days. (2011).
Additional Comments: Texas State University

2. College:

Organizer, Course Transformations Project Facilitator for College Algebra. (May 2025 - August 2025).

3. Department/School:

Member, Hiring Committee - Anatomy & Physiology Assistant Professor of Instruction. (May 2025 - July 2025).

Member, Lecturer Evaluation Committee. (May 2016 - 2022).

Volunteer Coordinator, Biology Colloquium. (February 2016 - February 2020).

Member, Lecture/Lab Space Strategic Planning Committee. (May 2016 - December 2016).

Member, Service Strategic Planning Committee. (May 2016 - September 2016).

B. Professional:

Member, NAAHP Membership Committee. (September 2025 - Present).

Member at Large YR 2, Texas Association of Advisors for Health Professions (TAAHP). (March 2025 - Present).

Member at Large (Year 1), Texas Association of Advisors for the Health Professions (TAAHP), TX. (February 2024 - Present).

Speaker, College of Science and Engineering Symposium on Student Success. (December 3, 2025).

Reviewer / Referee, TAAHP Conference. (October 2025).

Speaker, Texas Conference on Student Success pre-conference workshop: "The Course Transformation Project; A Faculty-Centered, Team-Based Approach to Improving Student Learning in High D/F/W Coures", Austin, TX. (October 29, 2025).

Reviewer / Referee, University of Incarnate Word School of Osteopathic Medicine, San Antonio, TX. (2023).

Reviewer / Referee, McGrawHill. (December 2016).
Additional Comments: Reviewed digital Biology textbook

Lake Houston Collaborative for Science Educators. (2010 - 2011).

C. Community:

Volunteer, Two Rivers Running Half Marathon Food Coordinator. (October 2024 - Present).

Volunteer, Hernandez 5th grade STEM fieldtrip, San Marcos, TX. (January 16, 2019).

Volunteer, IDEA School visit (STEM), San Marcos, TX. (November 14, 2018).

Volunteer, STEM fieldtrip host San Marcos 5th graders, San Marcos, TX. (January 2018).

Volunteer, STEM fieldtrip host San Marcos 5th graders, San Marcos, TX. (January 2017).

Volunteer, STEM fieldtrip host San Marcos 5th graders, San Marcos, TX. (January 2016).

Volunteer, STEM fieldtrip host San Marcos 5th graders. (January 2015).

STEM Field trip host for San Marcos 5th graders, San Marcos, TX. (January 2014).

Additional Comments: Yearly field trip for 5th graders to science departments across campus

Science Fair Judge, secondary school, Houston, TX. (2009 - 2011).

D. Organization Memberships:

National Association of Advisors for the Health Professions (NAAHP). (September 2022 - Present).

Texas Association of Advisors for the Health Professions (TAAHP). (September 2022 - Present).

National Association of Science Teachers. (February 2022 - February 2023).

National Association of Biology Teachers (NABT). (October 2019 - October 2022).

E. Service Honors and Awards:

Award / Honor Recipient: Foundations of Excellence Award, Student Foundation. December 2017

G. Service Professional Development Activities Attended:

Conference Attendance, "Southeast Association for Advisors of Health Professions (SAAHP) biannual conference," SAAHP, Atlanta, GA. (May 28, 2025 - May 31, 2025).

Conference Attendance, "Texas Association for Advisors of Health Professions Annual Conference," TAAHP, Fort Worth, TX. (March 6, 2025 - March 8, 2025).

Conference Attendance, "National Association of Advisors for the Health Professions (NAAHP) Conference," NAAHP, Cincinnati, OH. (June 2024).

Conference Attendance, "Texas Association of Advisors for the Health Professions (TAAHP) Annual Conference," TAAHP, El Paso. (February 2024).

Conference Attendance, "National Association of Advisors for the Health Professions Annual Conference," National Association for Advisors for the Health Professions, Tampa, FL. (May 2023 - June 2023).

Conference Attendance, "Texas Association of Advisors for the Health Professions Annual Conference," Texas Association of Advisors for the Health Professions, Edinburg. (February 2023).

Seminar, "Disability Ally," Texas State University, San Marcos. (July 19, 2019).

Workshop, "Mental Health Part I," Texas State University, San Marcos. (February 7, 2018).

Workshop, "Allies Training," Texas State University, San Marcos. (January 11, 2017).