SAM PERUGINI, PH.D.

SAM PERUGINI SUMMARY

- 17 years of teaching and curriculum development experience in higher education.
- 12 years of Meteorology teaching experience in higher education.
- 9 years of Corporate Training experience, with both traditional and E-learning.
- 8 years of mass media science communication experience.
- Doctor of Philosophy: Teaching, Learning, and Technology, Lehigh University.
- Master of Science and Bachelor of Science, Meteorology, Pennsylvania State University.

Embry-Riddle Aeronautical University

Daytona Beach, FL
2021-Present

Adjunct Instructor, Worldwide Campus
Department of Mathematics, Science and Technology

- Instructor for general education introductory meteorology courses.
- Delivered high quality, interactive Web based instruction via EagleVision Zoom.
- Manage online learning modules, class discussion forums, and Web-based learning assignments for synchronous and asynchronous courses.

Lehigh University

Bethlehem, PA
2014-2022

College of Education, Teaching, Learning, and Technology Ph.D. Program

- Instructional focus in Meteorology.
- Dissertation: *Web GIS and Hurricane Irma: Using a Web GIS Module to Assess Students' Hurricane Knowledge and Spatial Habits of Mind.*
- Applied various learning theories and instructional design models to created Web-based, multimedia meteorology lessons, assessments, instructional videos, and simulations.
- Collaborated with subject matter experts to develop and manage online courses, including content, student assessments, and technical support.
- Utilized a variety of technology platforms to present and mange instructional materials, including Moodle and Canvas course management systems, Articulate Storyline, Zoom, Blackboard Collaborate, and suite of Microsoft products.
- Awarded Lewis R. Shupe III Endowed Doctoral Assistantship, 2016-2018.
- Presented at Lehigh University Teaching and Learning with Technology Summit, 2017: *Creating an Interactive, Web-based Multimedia Meteorology Lesson.*
- Publication: Perugini, S., & Bodzin, A. M. (2020). Using Web-based GIS to assess students' geospatial knowledge of hurricanes and spatial habits of mind. *Journal of Geography, 119*, 63-73.

The Pennsylvania State University

University Park, PA
1994-2005

Instructor, Department of Meteorology
- Instructor for general education through graduate level courses: Introduction to Weather and Climate; Synoptic Meteorology; Synoptic Lab and Forecasting; Tropical Meteorology; Special Topics courses for individual students.
- Implemented Web-based instruction with hypermedia content and interactive activities.
- Developed learner centered, Web-based oral examinations to combine assessment with experiential learning.
- Created and supervised collaborative inquiry-based student research projects.
- Crafted individualized curricula for students with special needs or interests.
- Winner: Outstanding Teaching Award for Motivation, 2004.

Weather Communications Group
- Designed content for weather page for daily publication in *The New York Times.*
- Provided interviews and foundational science to *New York Times* reporters for weather and climate related articles.
- On-air TV and radio personality for WPSX-TV's *Weather World* and WPSU-FM.

AccuWeather, Incorporated

State College, PA
1998-2001

Operational Forecasting
- Provided daily and weekly forecasts for newspapers, radio stations, and television stations across the United States and Caribbean islands.
- Produced press releases for national media.
- Television broadcaster for MSNBC and PAX-TV.
- Radio broadcaster for WBBM (Chicago), WBZ (Boston), and KYW (Philadelphia).

Forecaster Training
- Led training for new forecasters and summer interns
- Collaborated with senior management and Penn State faculty to redesign employee and college internship training program.
- Utilized a theory-to-practice approach in developing training materials.
- Partnered with senior meteorologists to create workshops for weather forecasting, client interactions, radio broadcasts, and writing techniques for newspapers.
- Developed assessments to evaluate performance and readiness to work independently.

Additional Professional Experience

2006-Present

Holy Family School, STEM Instructor   **2022**
- Volunteer STEM instructor for K-5 students.
- Facilitated hands-on learning experiences and experiments in atmospheric and geosciences

Mallinckrodt, Corporate Training Manager   **2019-2020**
- Developed and facilitated selling and product knowledge workshops for national sales meetings.
- Developed and implemented training protocol and curriculum for new hires.

Sanofi, U.S., Corporate Training and Sales Specialist
- Facilitated virtual and face to face training classes on product knowledge and selling skills for newly hired and tenured sales representatives.
- Developed and facilitated "Boot Camps" to address uncovered local training deficiencies and ensure successful execution of brand marketing strategy.
- Designed formal and informal assessments to evaluate individual performance and field readiness; designed individualized training curriculum for employee-specific needs.
- Created game-based activities to combine team interaction with learning and assessment.
- Delivered sales presentations to endocrinologists, primary care physicians, and staff on FDA approved uses for pharmaceutical products.
- Trained physicians, nurses, and medical assistants on proper use of company products.
- Collaborated with territory and district partners, direct manager, and senior leaders to develop market-specific annual and quarterly business strategies for product portfolio.
- Provided in-depth statistical analysis and forecasting of sales trends to senior leadership.
- Orchestrated educational patient-centric classes with Certified Diabetes Educators.

EDUCATION

Doctor of Philosophy, Teaching, Learning and Technology, Lehigh University   2022
- Dissertation: Web GIS and Hurricane Irma: Using a Web GIS Module to Assess Students' Hurricane Knowledge and Spatial Habits of Mind.
- Publication: Perugini, S., & Bodzin, A. M. (2020). Using Web-based GIS to assess students' geospatial knowledge of hurricanes and spatial habits of mind. *Journal of Geography*, *119*, 63-73.
- GPA: 4.0/4.0

Master of Science, Meteorology, The Pennsylvania State University.   1993
- Publication: Young, G. Perugini, S., and Fairall, C. (1995). Convective wakes in the equatorial western Pacific during TOGA. *Monthly Weather Review*, *123*, 110-123.

Bachelor of Science, Meteorology, The Pennsylvania State University.   1991
- Ranked #1 in College of Earth and Mineral Sciences graduating class.
- Appointed College Marshall.
- Graduated Summa Cum Laude; GPA: 3.82/4.0