

# SAM PERUGINI, PH.D.

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## SAM PERUGINI SUMMARY

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- 18 years of teaching and curriculum development experience in higher education.
- 13 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, & Technology (Meteorology Education).
- Master of Science and Bachelor of Science, Meteorology.

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**Mississippi State University**

**Starkville, MS  
2024-Present**

**Online Lecturer**

**Department of Geosciences**

- Lecturer for meteorology courses for graduate and undergraduate students.
- Develop and deliver lectures, assignments, and exams asynchronously via Canvas Learning Management System.
- Courses: Dynamic Meteorology II (Su '24), Tropical Meteorology (Fa '24).

**State University of New York at Oswego**

**Oswego, NY  
2022-2024**

**Visiting Assistant Professor/Adjunct Instructor**

**Department of Atmospheric and Geological Sciences**

- Provided student-focused, hands-on instruction in undergraduate atmospheric science.
- Developed and managed undergraduate Teaching Assistant for general education course.
- Courses taught: Introduction to Weather and Climate; Global Climate and Climate Change; Synoptic Meteorology; Synoptic-Dynamic Meteorology Lab; Applied Weather Forecasting.
- Collaborated and mentored undergraduate student research projects:
  - Northeastern Storm Conference: Hummel and Perugini (2023). *Communications and Complacency during the 2022 Buffalo Blizzard and Comparisons to the Blizzard of 1977.*
  - Great Lakes Atmospheric Science Symposium: Weist, Cusano, & Perugini (2023). *An Overview of the Synoptic Conditions and Analysis of Forecast Models of the January 2016 Storm.*
  - Quest Poster: Cusano and Perugini (2024). *An Overview of the Synoptic Conditions and Analysis of Forecast Models of the January 2016 Storm.*

**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.
- Deliver 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.
- Courses: Introductory Meteorology, Meteorological Hazards, Aviation Weather.

**Lehigh University**

**Bethlehem, PA**

**2014-2022**

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

- Focus in Meteorology Education.
- 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 create 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 manage 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.

- 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.
- Created 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**

### **Sanofi, U.S., Corporate Trainer**

**2006-2014**

- 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.

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## **EDUCATION**

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**Doctor of Philosophy, Teaching, Learning and Technology, Lehigh University** 2022

- Focus in Meteorology Education.

**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.