

Curriculum Vitae

Christopher J. Elcik

Department of Geosciences, Mississippi State University
301J Hilbun Hall
Mississippi State, MS 39762-5448

cje143@msstate.edu
(443) 974-3521

Education:

Ph.D., Earth and Atmospheric Sciences

Mississippi State University, 4.0 GPA, Expected Graduation Date: May 2019

- Dissertation title: *The relationship between air mass type and emergency department visits for different types of pain across North Carolina and potential for weather-based pain forecasts*
- Committee: Dr. Christopher Fuhrmann (advisor), Dr. Andrew Mercer, Dr. Scott Sheridan
Dr. Kathleen Sherman-Morris

M.S., Professional Meteorology

Mississippi State University, 4.0 GPA, August 2016

- Thesis title: *The relationship between air mass type and emergency department visits for migraine headache across the Triangle region of North Carolina*
- Committee: Dr. Christopher Fuhrmann (advisor), Dr. Andrew Mercer, Dr. Robert Davis

B.S., Geosciences (Atmospheric Science Track)

Salisbury University, summa cum laude, May 2014

- Minor in Mathematics

Research Interests:

- Synoptic Meteorology/Climatology
- Biometeorology
- Statistical Climatology

Professional Experience:

- Mississippi State University, MS, Department of Geosciences, August 2014 - present.
Teaching Assistant
- Mississippi State University, MS, Department of Geosciences, May 2018 - August 2018.
Distance Learning Instructor
- Vortex Southeast (Through Mississippi State University), February 2015 - June 2015.
Launch Team Leader/Field Operator
- Federal Emergency Management Agency (Through Salisbury University), November 2012. *Image Analyst*

Awards and Honors:

- National Council for Geographic Education/American Association of Geographers Excellence of Scholarship Award, 2013-2014
- Gamma Theta Epsilon International Honor Society
- Phi Kappa Phi National Honor Society
- Award for Outstanding Service, Salisbury University, 2014 - Awarded by the Department of Geography and Geosciences to the top graduating senior
- Salisbury University Dean's List 2010-2014
- STEM Scholarship Recipient, Salisbury University, 2013-2014
- Presidential Scholarship Recipient, Salisbury University, 2010-2014
- Senatorial Scholarship Recipient, Salisbury University, 2010-2014

Publications:

Elcik, C., C. Fuhrmann, A. Mercer, R. Davis, 2017: Relationship between air mass type and emergency department visits for migraine headache across the Triangle region of North Carolina. *International Journal of Biometeorology*, **61**, 2245-2254.

Elcik, C., C. Fuhrmann, A. Collins: Relationship between air mass type and pollen levels for different plant species across the central region of North Carolina. To be submitted to *Journal of Community Health*.

Conference Presentations:

Elcik, C., C. Fuhrmann, A. Mercer, R. Davis: Relationship between air mass type and emergency department visits for migraine headache across the Triangle region of North Carolina. Presented at the Southeastern Division of the Association of American Geographers annual meeting, November 2017, Starkville, MS

Elcik, C., C. Fuhrmann, A. Mercer, S. Sheridan, K. Sherman-Morris: Relationship between air mass type and emergency department visits for different types of pain across the Triangle region of North Carolina and potential for weather-based pain forecasts. To present at the 17th Annual Southeast Severe Storms Symposium, March 2019, Starkville MS

Elcik, C., C. Fuhrmann, A. Collins: The relationship between air mass type and pollen levels for different plant species across the central region of North Carolina. To present at the American Association of Geographers annual meeting, April 2019, Washington D.C.

Teaching:

Lecture Instructor:

GR 1604: *Weather and Climate* (Fall 2018, Spring 2019)

GR 1603: *Introduction to Meteorology* (Fall 2017, Spring 2018)

GR 1114: *Physical Geography* (Fall 2015, Spring 2016, Fall 2016, Spring 2017, Spring 2018)

Distance Learning Instructor:

GR 4613: *Applied Climatology* (Summer 2018)

Laboratory Instructor:

GR 1114: *Physical Geography* (Fall 2014, Spring 2015)

Professional Development:

Graduate Student Teaching Workshop, Mississippi State University, 2014

Attended sessions on lecture preparation, classroom strategies, time management, and other topics related to teaching at the university level.

12th Annual Southeast Severe Storms Symposium, Mississippi State University, 2014

Attended talks on current research in the field.

eAcademy, Harrisburg Area Community College, 2018-2019

Participated in a 15-week course on teaching online at the University level.

Professional Memberships:

American Meteorological Society

Association of American Geographers (Southeastern Division)

International Society of Biometeorology