

Curriculum Vitae
Dr. Christopher J. Elcik

Department of Geography, University of Georgia
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Education:

Ph.D., Earth and Atmospheric Sciences

Mississippi State University, 4.0 GPA, August 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., Geography (Atmospheric Science Track)

Salisbury University, summa cum laude, May 2014

- Minor in Mathematics

Research Interests:

- Synoptic Meteorology/Climatology
- Biometeorology
- Statistical Climatology

Professional Experience:

- University of Georgia, Athens, GA, Department of Geography
August 2019 - present
Lecturer (Teaching Professor)
- Mississippi State University, Starkville, MS, Department of Geosciences
May 2018 - August 2018 & May 2020 - August 2020
Distance Learning Lecturer
- Mississippi State University, Starkville, MS, Department of Geosciences
August 2014 - May 2019
Graduate Teaching Assistant (TA)
- Vortex Southeast (Through Mississippi State University), Starkville, MS
February 2015 - June 2015
Launch Team Leader/Field Operator
- Salisbury University, Salisbury, MD, Geography and Geosciences Department
July (2013, 2014, 2015, 2016)
Summer Science Camp Counselor
- Salisbury University, Salisbury, MD, Geography and Geosciences Department
August 2013 - May 2014
Lab Aide/Tutor
- Federal Emergency Management Agency (Through Salisbury University), Salisbury, MD
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 Geographical Honor Society
- Phi Kappa Phi National Society for Academic Excellence
- 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. Mercer, S. Sheridan, K. Sherman-Morris, 2020: Relationship between synoptic weather type and emergency department visits for different types of pain across the Triangle region of North Carolina. *International Journal of Biometeorology*, **64**, 1815-1823.
- Elcik, C.,** C. Fuhrmann, A. Mercer, S. Sheridan, K. Sherman-Morris, 2021: Geographical Variability in the relationship between weather type and emergency department visits for pain across North Carolina. Accepted by the *International Journal of Biometeorology*.
- 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 the *Journal of Community Health*.
- Elcik, C.,** C. Fuhrmann, K. Sherman-Morris, A. Mercer, S. Sheridan: Impact of weather-based pain forecasts on daily activities. To be submitted to the *Bulletin of the American Meteorological Society*.

Conference Presentations:

- Elcik, C.,** C. Fuhrmann, A. Collins: The Relationship between air mass type and pollen levels in central North Carolina from 2003-2012. Presented at the American Association of Geographers annual meeting, April 2019, Washington D.C.
- 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

Teaching:

Lecture Instructor:

- GEOG (ATSC) 6120: Graduate Synoptic Meteorology and Climatology (Spring 2021)
- GEOG (ATSC) 4120: Synoptic Meteorology and Climatology (Spring 2021)
- GEOG 1112: *Introduction to Weather and Climate* (Spring 2020, Fall 2020, Spring 2021)
- GEOG (ATSC) 3120: *Weather Analysis and Forecasting* (Fall 2019, Fall 2020, Fall 2021)

GEOG (ATSC) 4121: *Weather Forecasting Seminar* (Spring 2020)

GEOG 1111: *Introduction to Physical Geography* (Fall 2019, Fall 2021)

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:

GEOG 1112e: *Introduction to Weather and Climate* (Summer 2020, Summer 2021)

GR 4613: *Applied Climatology* (Summer 2018, Summer 2020)

Laboratory Instructor:

GEOG (ATSC) 3120L: *Weather Analysis and Forecasting* (Fall 2019, Fall 2020)

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

Service:

Teaching Service:

- Student Advising
 - Currently a part of the advising process for the Atmospheric Science majors at the University of Georgia

University Service:

- University of Georgia
 - Geography Department Technology Committee (Fall 2019 - present)
 - Led panel on online teaching tools (Screencast-O-Matic, Kaltura Capture, PowerPoint Record, Camtasia) (Spring 2020)
 - Led Panel on online teaching methods and best practices (Summer 2020)
- Mississippi State University
 - Geosciences Department Infrastructure Committee (Fall 2017 - Spring 2018)

Professional Service:

- Served as a reviewer for the following journals:
 - Bulletin of the American Meteorological Society (BAMS)
 - Climate Change
 - International Journal of Biometeorology (IJB)

- Journal of Clinical Rheumatology
- Interviewed by Grady Newsource (Fall 2019)
 - Discussed climate change and its impact on cold weather events

Professional Development:

Summer 2020 Webinars, Mississippi State University, 2020

Participated in the following webinars:

- Microsoft Teams for Online Courses
- Advanced Webex
- Peer Review in Canvas
- Groups in Canvas
- Lessons Learned with Canvas
- Using External Tools in Canvas
- Semester Startup Checklist
- Canvas Assignments
- Quizzing in Canvas
- Turnitin in Canvas
- Using Rubrics in Canvas
- Canvas Gradebook
- Using Canvas Studio (ARC) Effectively in Canvas
- Getting Started with Webex
- Getting Started with Canvas

Summer 2020 Online Workshops, University of Georgia, 2020

Participated in the following workshops with the University of Georgia's Office of Online Learning:

- Framing Online Assessment
- How to Create Content for your Online Course
- Practical Training for Producing Video Lectures
- Elements of Good Online Learning

Franklin College Online Design Initiative, University of Georgia, 2019-2020

Successfully created my proposed online course (GEOG 1112e) in time for the Summer 2020 semester through collaborations with the University of Georgia's Office of Online Learning,

Franklin Design Sprint, University of Georgia, 2019-2020

Participated in a design sprint which focused on the essential tools needed to teach online at the university level.

University Corporation for Atmospheric Research (UCAR) Annual Members Meeting, 2019

Went to the meeting as an earlier career guest. Attended numerous sessions on current research in the field of meteorology.

17th Annual Southeast Severe Storms Symposium, Mississippi State University, 2019

Attended talks on current research in the field of mesoscale meteorology.

eAcademy, Harrisburg Area Community College, 2018-2019

Participated in a 15-week course on teaching online at the University level. The course focused on pedagogy, lecture preparation, classroom strategies, design tools, and other topics relating to teaching online at the university level.

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

Attended talks on current research in the field of mesoscale meteorology.

Graduate Student Teaching Workshop, Mississippi State University, 2014

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

Professional Memberships:

American Meteorological Society

American Association of Geographers

Southeastern Division of the Association of American Geographers

International Society of Biometeorology