

GEOG 2630 - Weather

Fall 2026 Syllabus, Section 09, CRN 43827,

Credit hours: 3

Instructor

Breanna Beaver

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Public Instructor Information

Instructor Title: Dr. Bre Beaver

Instructor Professional Qualifications:

Ph.D., Curriculum & Instruction: Science Education, Kent State University, 2023

P.B.A.C.C., American Meteorological Society DataStreme, California University of Pennsylvania, 2019

M.S., Environmental Science, Youngstown State University, 2017

B.S., Secondary Education Integrated Sciences, Youngstown State University, 2016

Instructor Office Location: BCOE 2210

Instructor Office Phone: 330-941-7230

Course Description

2630. Weather. An examination of basic weather elements, their interrelationships and the natural laws that govern them. Focus is on both global scale atmospheric processes and localized factors that influence weather conditions and patterns. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	The Atmosphere: An Introduction to Meteorology	Lutgens and Tarbuck	

*This book is part of the FirstDay program. You will have immediate access to the electronic text on Blackboard.

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Ch 1 & BB Materials	Course Introduction, The Basics	Introduction post due Wed and peer responses due Sun Extreme Weather Project Discussion due Sun
8/31	Ch 2 & BB Materials	Earth-Sun Relations and The Basics	Weekly post due Wed and peer responses due Sun
9/7	Ch 3 & BB Materials	Heat and Temperatures as Driving Forces	Weekly post due Wed and peer responses due Sun Extreme Weather Project - Part I
9/14	Ch 4 & BB Materials	Moisture and Atmospheric Stability	Weekly post due Wed and peer responses due Sun



9/21	Ch 5 & BB Materials	Condensation and Precipitation	Weekly post due Wed and peer responses due Sun Exam 1 (Ch 1 - 4)
9/28	Ch 6 & BB Materials	Air Pressure and Winds	Weekly post due Wed and peer responses due Sun
10/5	Ch 7 & BB Materials	Atmospheric Circulation	Weekly post due Wed and peer responses due Sun Extreme Weather Project - Part 2
10/12	Ch 8 & BB Materials	Air Masses	Weekly post due Wed and peer responses due Sun
10/19	Ch 9 & BB Materials	Middle Latitudes	Weekly post due Wed and peer responses due Sun Exam 2 (Ch 5-8)
10/26	Ch 10 & BB Materials	Thunderstorms	Weekly post due Wed and peer responses due Sun Extreme Weather Project - Part 3
11/2	Ch 10 & BB Materials	Tornadoes	Weekly post due Wed and peer responses due Sun
11/9	Ch 11 & BB Materials	Tropical Cyclones	Weekly post due Wed and peer responses due Sun Extreme Weather Project - Presentation & Peer Review
11/16	Ch 13 & BB Materials	Air Pollution	Weekly post due Wed and peer responses due Sun
11/23		Thanksgiving Week! Review for Exam 3	
11/30	Ch 14 & BB Materials	Climate Change	Weekly post due Wed and peer responses due Sun Exam 3 (Ch 9-11, 13,14)

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.