

GEOG 2630 - Weather

Fall 2026 Syllabus, Section 04, CRN 41685,

Credit hours: 3

Instructor

Peter Kimosop

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Public Instructor Information

Instructor Title: Associate Professor

Instructor Professional Qualifications:

Certified Remote Pilot, Federal Aviation Administration (FAA), 2025

GIS Professional Certification (GISP), GIS Certification Institute, 2015

Ph.D., Geography, University of Cincinnati, 2011

Master's, Geography, Western Michigan University, 2005

Bachelor's, Geography, University of Nairobi, 2000

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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, Tarbuck, and Herman	978-0134758589

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	Chapter 1	Introduction and Course Overview	Discussion Board Assignment 1 * Initial discussion post — Due Wednesday, August 26 by 11:59 p.m. * Reply to at least 2 classmates by Sunday, August 30 at 11:59 p.m. .
8/31	Chapter 1	Introduction to the Atmosphere	Module Assignment 1 — Due Sunday, September 6 at 11:59 p.m. .
9/7	Chapter 2	Heating Earth's Surface and Atmosphere	Discussion Board Assignment 2 * Initial discussion post — Due Wednesday, September 9 by 11:59 p.m. * Reply to at least 2 classmates by Sunday, September 13 at 11:59 p.m. .

9/14	Chapter 3	Temperature	Module Assignment 2 – Due Sunday, September 20 at 11:59 p.m. .
9/21	Chapter 4	Moisture and Atmospheric Stability	Exam 1 (Chapters 1 - 4) – Due Sunday, September 27 at 11:59 p.m. .
9/28	Chapter 5	Forms of Condensation and Precipitation	Discussion Board Assignment 3 * Initial discussion post – Due Wednesday, September 30 by 11:59 p.m. * Reply to at least 2 classmates by Sunday, October 4 at 11:59 p.m. .
10/5	Chapter 6	Air Pressure and Winds	Module Assignment 3 – Due Sunday, October 11 at 11:59 p.m. .
10/12	Chapter 7	Circulation of the Atmosphere	Discussion Board Assignment 4 * Initial discussion post – Due Wednesday, October 14 by 11:59 p.m. * Reply to at least 2 classmates by Sunday, October 18 at 11:59 p.m. .
10/19	Chapter 8	Air Masses	Module Assignment 4 – Due Sunday, October 25 at 11:59 p.m. .
10/26	Chapter 9	Midlatitude Cyclones	Exam 2 (Chapters 5 - 9) – Due Sunday, November 1 at 11:59 p.m. .
11/2	Chapter 10	Thunderstorms and Tornadoes	Discussion Board Assignment 5 * Initial discussion post – Due Wednesday, November 4 by 11:59 p.m. * Reply to at least 2 classmates by Sunday, November 8 at 11:59 p.m. .
11/9	Chapter 11	Hurricanes	Discussion Board Assignment 6 * Initial discussion post – Due Wednesday, November 11 by 11:59 p.m. * Reply to at least 2 classmates by Sunday, November 15 at 11:59 p.m. .
11/16	Chapter 12	Weather Analysis and Forecasting	Module Assignment 5 – Due Sunday, November 22 at 11:59 p.m. .
11/23	Thanksgiving		.
11/30	Chapter 13	Air Pollution	Module Assignment 6 – Due Sunday, December 6 at 11:59 p.m. .
12/7	Final Exam		Exam 3 (Chapters 10 -13) – Due Wednesday, December 9 at 11:59 p.m.

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.