GEOG 2630 - Weather

Fall 2026 Syllabus, Section A01, CRN 43888,

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	Module 1: Introduction to the Atmosphere. (CLO 1)	Module 1 Quiz — Due Sunday, August 30 at 11:59 p.m. . Module 1 Discussion * 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 2 & 3	Module 2: Earth's Energy Balance and Temperature. (CLO 2)	Module 2 Quiz — Due Sunday, September 6 at 11:59 p.m. . Module 2 Assignment — Due Sunday, September 6 at 11:59 p.m. .

9/7	Chapter 4 & 5	Module 3: Moisture, Atmospheric Stability, and Precipitation. (CLO 3)	Module 3 Quiz — Due Sunday, September 13 at 11:59 p.m. . Module 3 Discussion * 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 6 & 7	Module 4: Air Pressure, Winds, and Atmospheric Circulation. (CLO 4)	Module 4 Quiz — Due Sunday, September 20 at 11:59 p.m. . Module 4 Assignment — Due Sunday, September 20 at 11:59 p.m. .
9/21	Chapter 8 & 9	Module 5: Air Masses and Midlatitude Cyclones. (CLO 5)	Module 5 Quiz — Due Sunday, September 27 at 11:59 p.m. . Module 5 Discussion * Initial discussion post — Due Wednesday, September 23 by 11:59 p.m. * Reply to at least 2 classmates by Sunday, September 27 at 11:59 p.m. .
9/28	Chapter 10 & 11	Module 6: Thunderstorms, Tornadoes, and Hurricanes. (CLO 6)	Module 6 Quiz — Due Sunday, October 4 at 11:59 p.m. . Module 6 Assignment — Due Sunday, October 4 at 11:59 p.m. .
10/5	Chapter 12	Module 7: Weather Analysis and Forecasting. (CLO 7)	Module 7 Quiz — Due Sunday, October 11 at 11:59 p.m. . Module 7 Discussion * Initial discussion post — Due Wednesday, October 7 by 11:59 p.m. * Reply to at least 2 classmates by Sunday, October 11 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.