

Weather & Climate Spring 2025

PGEO 130 Sect 02 4 credits with Lab

MW 530-645 North Bldg 1036 in person

January 25–May 22

Hunter Department of Geography and Environmental Science

Instructor: Rob Schenck, Adjunct Instructor

Email: robert.schenck@kbcc.cuny.edu Make sure to include Hunter PGEO130 in subject line

Office Hours: By appointment, may be through Zoom, email to arrange

Lecture Textbook

The Atmosphere: An Introduction to Meteorology. Lutgens & Tarbuck. Pearson Publishing.

You will need the “Mastering” edition (ISBN-13: 9780134801117) which is the etextbook and a web based/online assignment/homework system. You do not need a physical copy of the book, you do need access to Pearson “Mastering”, the online work system. This needs to be purchased immediately.

Lab

This course has an associated lab that you should already be enrolled in.

For the lab you need a physical, not digital, copy of:

Exercises for Weather and Climate, by Greg Carbone, 9th Ed; ISBN 97801340041360

Lab Sections

2L01 M 7-850pm N1028 T. Kelly

2L02 W 7-850pm N1028 T. Kelly

2L03 T 6-750pm N1028 K. Parker

2L04 Th 4-550pm N1028 F. Lingo

The lab is in person and hands on. You will have lab activities each week to complete. Your lecture and lab instructors are working together to make sure the course components complement each other, however it isn't always possible to have a one to one match on them.

At the end of the semester your Lab Instructor will report a number grade to me for your overall lab performance. I will then incorporate that number grade into your final class grade.

Grade Scheme

Lab: 30%

Exams: 30% (3 exams)

Participation: 10%

HW System: 15%

Final Exam: 15%

During class there will be questions and activities to answer and this will count to your participation grade, expect to show up to every class on time. You will also have online weekly homework-like assignments based off the textbook material. This will also help prepare you for the exams. We will have 2 exams during the semester. Then there will be a cumulative final exam.

Lectures are intended to provide a basis for understanding the course material however not everything can be covered by the lecture. I will always point out the topics that require more focus in the textbook or other resources. Expect to read the textbook before class.

Course Goals

A successful student will be able to understand the details of the components of weather and climate, such as temperature, moisture, humidity, pressure, cloud formation, and winds. A successful student will be able to bring those components together in order to understand and explain the prevailing circulation of air in the atmosphere, the occurrence and cycling of storms, and short and long term changes in our climate. The successful student will be able to relate weather occurrences and changing climate to events and features of our society and in their lives and form independent but informed opinions and responses to them.

Special Note: The Hunter Campus has transitioned to Brightspace for online work. We will be using Brightspace in this course and your weekly assignments will be posted to and accessed through Brightspace. You must be able to access and work with Brightspace to be in this course. Make sure that you have a more or less private quiet space with a solid network connection and a computer for doing this. Schedule time in your own personal schedule that is slated for this coursework and do not let other people take that time from you. Also, you will be able to track your grade during the semester in Brightspace, please pay attention to what is there so you know where you stand in the course.

Lecture and Exam schedule

HW is assigned each week on that week's topic, completed on the website. HW is due on the Saturday ending each week. EX: HW 6 covers Chapt 12 and is due end of day Mar 8

	Week of	Topics	HW# DUE	
1	1/26	Chp 1 Intro	1	
2	2/02	Chp 2 Heating	2	
3	2/09	Chp 3 Temperature	3	
4	2/16	Chp 4 Moisture	4	
5	2/23	Chp 6 Pressure	5	
6	3/02	Chp 12 Forecasting	6	Exam 1 Chp 1-4 & 6 3/3 in class
7	3/09	Chp 5 Condensation & Precipitation	7	
8	3/16	Chp 7 Circulation of the Atmosphere	8	
9	3/23	Chp 8 Air Masses	9	
10	3/30	Chp 9 Midlatitude Cyclones	10	Exam 2 Chp 6, 7-9 3/31 in class
11	4/06	Chp 10 Thunderstorms	11	
12	4/13	Spring Break no classes	—	—
13	4/20	Chp 11 Hurricanes	12	
14	4/27	Chp 14 Changing Climate	13	
15	5/04	Chp 15 World Climates	14	
16	5/11		*	Exam 3 Chp 10,11,14, & 15 in class 5/14
17	5/18	FINALS		Cumulative Final Exam in person
18				We have no date for the final yet

* Missing & extended assignments have an absolute due date of 5/15

Reminder: You ALSO have lab activities under their own schedule

Class Meetings schedule: Notice the W deadline is in mid semester and no longer at the end of the semester

Jan 25 Semester Starts

Jan 27 Our first class meeting

Jan 29 Hunter College No Classes

Feb 12 Hunter College Closed, VOE will be submitted

Feb 17 Hunter College Closed

Feb 18 Hunter College Monday Schedule - Online assignment only no in class meeting for our class only

Feb 19 Online Assignment only no in class meeting for our class only

Mar 06 Hunter College Wednesday Schedule

Mar 26 P/NC filing with registrar deadline

Mar 31 Hunter College No Classes

April 1 W Deadline

April 12–20 Spring Break

April 21 Back in class

May 14 Our Last Class Meeting

May 16–22 Finals Week

May 22 End of Semester

I will be entering grades by May 23rd, so long as there are no students causing a delay

No date for our final has been assigned to us yet I will notify the class when it is available.

Policies

It is going to be extremely difficult or not possible to provide time and space for makeup exams. Please do your best to not miss any exams.

I fully understand students have responsibilities outside of class; including jobs, disabilities, taking care of children or other family members and partners, and occasional sicknesses. Please reach out to me if you have some other responsibility or issue that caused you to miss course work.

You need to be able to use a computer and web browser; be able to competently login to the textbook site, find assignments, be aware of when assignments are due, and troubleshoot tech problems. This course does not require special technical knowledge but you do need to have normal skills and competencies when it comes to using computers and online assignments. I can not give extensions for example because you could not get a webpage to work. Find a few other students with whom you can trade campus email addresses to support each other.

Our exams are in person. Exams are individual effort and closed book. We will use the remark system, you need to be competent enough to fill out the forms correctly, including test version numbers and inputting your student ID#.

Accessibility and student support: The campus provides services to students who have various types of course access needs, including extra time on tests, etc. You can not arrange for those services through an instructor and must contact the accessibilities center, usually at the start of the semester to register in general for those services

<https://hunter.cuny.edu/students/health-wellness/accessibility/services-and-programs/testing-accommodation/>

<https://hunter.cuny.edu/students/health-wellness/accessibility/>

The campus also provides various tutoring and prep services, including the Skirball Center for science courses, please make use of them:

<https://hunter.cuny.edu/students/academic-planning/learning-centers-and-tutoring/>

The campus also provides a number of other services to students including a food pantry, semester long laptop loans, and legal services Please contact them as soon as possible with any needs:

<https://hunter.cuny.edu/students/health-wellness/emergency-support-resources/>

All of these services are supported by state and city funding and also your student tuition. You have in a sense paid for these services already, please make use of them.

Please make me aware of your preferred pronouns and names and remember that the classroom is a place for every student to freely and safely learn our course content material.

Academic Integrity

Exams are in person, individual effort, closed book, and without notes. I will move students if needed to prevent cheating and students cheating will be remanded to the Office of Student Conduct. CUNY's policies are explained here:

<https://hunter.cuny.edu/students/student-affairs/office-of-student-conduct/academic-integrity/>

For HW assignments you can use your notes and the textbook but you must complete your own assignments, you can not work in groups, another student can not answer your questions for you or sit with/communicate with you to help you.

You can use AI and other services to prepare your notes and study course material, however you can not use any such services to answer questions on the exam or HW or in class and other assignments. AI can generally assist you but it can never be used to answer for you.

Hunter College Policy on Academic Integrity:

Hunter College regards acts of academic dishonesty (e.g. plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures.

Hunter College's Policy on Students with Disabilities:

In compliance with the American Disability Act of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and/or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical and/ or Learning) consult the Office of AccessABILITY located in Room E1124 to secure necessary academic accommodations. For further information and assistance please call (212- 772- 4857)/TTY (212- 650- 3230).

Hunter College Policy on Sexual Misconduct

In compliance with the CUNY Policy on Sexual Misconduct, Hunter College affirms the prohibition of any sexual misconduct, which includes sexual violence, sexual harassment, and gender-based harassment retaliation against students, employees, or visitors, as well as certain intimate relationship. Students who have experienced any form of sexual violence on or off campus (including CUNY-sponsored trips and events) are entitled to the rights outlined in the Bill of Rights for Hunter College. Sexual Violence: Students are strongly encouraged to immediately report the incident by calling 911, contacting NYPD Special Victims Division Hotline (646-610-7272) or their local police precinct, on contacting the College's Public Safety Office (212-772-4444)

All Other Forms of Sexual Misconduct: Students are also encouraged to contact the College's Title IX Campus Coordinator, Dean John Rose (jtrose@hunter.cuny.edu or 212-650-3262) or Colleen Barry 5 (colleen.barr7@hunter.cuny.edu or 212-772-4534) and seek complimentary services through the Counseling and Wellness Services Office, Hunter East 1123.

Policy on Sexual Misconduct can be found at

<http://www.hunter.cuny.edu/diversityandcompliance/title-ix>

Preferred Gender Pronoun

All people have the right to be addressed and referred to in accordance with their personal identity. In this class, we will have the chance to indicate the name that we prefer to be called and, if we choose, to identify pronouns with which we would like to be addressed. I will do my best to address and refer to all students accordingly and support classmates in doing so as well.