colorado school of
public health

UNIVERSITY OF COLORADO
COLORADO STATE UNIVERSITY
UNIVERSITY OF NORTHERN COLORADO

Graduate Program in Climate and Human Health

2025-2026
Student and Advisor Handbook

Handbook Table of Contents

A Message from the Associate Dean of Academic and Student Affairs

Welcome to the Colorado School of Public Health!

It is with great pleasure that I welcome you as the newest members of our academic community. Your decision to join us marks the beginning of an exciting and impactful journey. Throughout this journey we will rise together to reimagine public health, champion health for all, and build a healthier future through education, research, and community partnership.

We are a collaborative School dedicated to fostering an environment where you can thrive both academically and personally. Here, you will have access to innovative learning opportunities, cutting-edge research, and a supportive network committed to your success. Throughout your time with us, you will engage in rigorous coursework, collaborate on meaningful projects, and develop the skills necessary to address some of the most pressing health challenges of our time.

I encourage you to take full advantage of the resources and opportunities available to you. Participate in research projects, join student organizations, attend seminars and workshops, and seek out mentorship and networking opportunities. These experiences will not only enhance your education but also help you build a strong foundation for your future career in public health.

As you embark on this new chapter, remember that you are not alone. We are here to support you every step of the way. Together, we will work towards a healthier, more equitable future for all.

Once again, welcome to the School of Public Health. We are thrilled to have you with us and look forward to witnessing all that you will achieve.

Sincerely,

Madiha Abdel-Maksoud

Madiha Abdel-Maksoud, PhD, MD, MSPH
Associate Dean for Academic and Student Affairs

I am delighted to welcome you on behalf of the Climate and Human Health PhD Program.

As you embark on the journey of exploring academic pathways on the nexus of climate science, engineering, epidemiology, policy, disaster response, and public health, we hope you will consider exploring the unique opportunity we offer here at the Colorado School of Public Health.

At the Colorado School of Public Health, we take immense pride in our commitment to a transdisciplinary academic experience connected to cutting-edge research, inclusive education and training, and the personal and professional growth of our students. Our distinguished faculty members are leaders in their respective fields, and they are eager to work alongside you, providing mentorship and guidance as you pursue your doctoral studies.

Here are some key highlights of our Graduate PhD Program in Climate and Human Health:

Transdisciplinary Excellence: Our program embraces a transdisciplinary approach, drawing on fields such as engineering, environmental science, emergency response, modeling and data science, epidemiology, public health, and policy analysis. This multidisciplinary perspective will equip you with a comprehensive understanding of the complex challenges at the intersection of climate and human health.

Research Opportunities: You will have access to state-of-the-art research facilities and resources to support your research endeavors. Our program encourages collaboration with ongoing projects in our four main areas: **Climate Policy, Occupational Climate Health, Climate Health Data Analytics and Exposure Assessment, and Climate-Related Disaster Preparedness and Response.**

Community and Networking: We foster a vibrant and inclusive community where you can connect with fellow students, faculty, and researchers who share your passion for addressing climate health.

I encourage you to explore our program's website, familiarize yourself with our faculty's research interests, and reach out if you have any questions or require further information. The application deadline for the upcoming academic year is December 1.

Please do not hesitate to contact our admissions team at ColoradoSPH.Admissions@cuanschutz.edu if you have any inquiries or require assistance with the application process.

Sincerely,

Katherine A. James
Associate Professor and Program Director
Graduate PhD Program in Climate and Human Health
Colorado School of Public Health

Policy Regarding Changes to the Handbook

This handbook complements the policies and procedures of the Graduate School. It includes information specific to the Colorado School of Public Health and the Environmental and Occupational Health Graduate Programs. Please retain it for reference on academic policies, thesis, graduation, and other topics. This handbook was accurate and up to date when printed in August 2024. It does not constitute a contract with the University of Colorado Anschutz Medical Campus, either expressed or implied. The Graduate School and the Climate and Human Health Graduate Programs reserve the right at any time to change, delete, or add to any of the provisions at their discretion. Furthermore, the provisions of this document are designed to serve as firm guidelines rather than absolute rules, and exceptions may be made based on extenuating circumstances.

Websites

School Site:
https://coloradosph.cuanschutz.edu/

Program Site:
https://coloradosph.cuanschutz.edu/education/degrees-and-programs/doctor-of-philosophy/phd-in-climate-human-health

ColoradoSPH Academic and Student Affairs Resources:
https://coloradosph.cuanschutz.edu/resources/for-current-students

Graduate School Policies and Resources:
https://graduateschool.cuanschutz.edu/

Overview

The Colorado School of Public Health is a collaborative institution formed by the University of Colorado, Colorado State University, and the University of Northern Colorado. As the first and only school of public health in the nine-state Rocky Mountain West, we are uniquely positioned to lead in education, research, and community engagement.

From emerging infectious diseases and chronic conditions to environmental challenges and social barriers of health, our communities face complex and evolving public health issues. ColoradoSPH prepares a dynamic and practice-ready public health workforce equipped with the knowledge, skills, and values to meet these challenges. With more than 200 faculty across three campuses, our experts are advancing science and solutions that improve the lives of individuals and communities locally, nationally, and globally across every stage of life

Vision Statement

Public Health Elevated. Rising Together for a Healthier Future for All

Mission Statement

Reimagine Public Health Education   As a premier school for public health leaders and workforce, we create a dynamic and engaging educational experience that prepares students to partner with an array of communities and populations to address the most daunting public health problems.

Pursue & Champion Health for All We are resilient in our pursuit of health for all people. Our dedication ensures that every individual can achieve optimal health.

Centered in Science, Proven in Practice Our signature approach merges scientific research with practical application. By grounding our work in evidence-based methodologies, we translate academic insights into tangible health improvements.

Connect to Community, Build Partnerships for a Healthier Future At the heart of our mission are strong community connections and partnerships. We are indispensable to our partners and promote innovation that lays the foundation for thriving, healthier communities in all public health communities.

Uplift & Empower Our Community to Thrive Our faculty, staff, and students are the foundation of our entire organization. We recognize their individual strengths, champion their growth, and foster a sense of belonging among all members of our school community. We create an environment where our people thrive so that they can help others to thrive.

Accreditation

The Colorado School of Public Health, established in 2008 as the first accredited school of public health in the Rocky Mountain West, is a collaborative effort among the University of Colorado, Colorado State University, and the University of Northern Colorado. Accredited by the Council on Education for Public Health (CEPH) since 2010 and re-accredited in 2024 through 2031, the school is committed to training and supporting a skilled public health workforce across Colorado and the region. Our accreditation reflects our mission to advance public health through education, research, and community engagement.

Administration

University Leadership & Academic Partners

Donald M. Elliman Jr.
Chancellor, University of Colorado Anschutz
Medical Campus

Andrew Feinstein, PhD
President, University of Northern Colorado

Amy Parsons JD, President, Colorado State
University

Colorado School of Public Health Leadership

Cathy Bradly, PhD
Dean

Michelle Kuba, MPH
Assistant Dean of Operations

Madiha Abdel-Maksoud, MD, PhD
Associate Dean for Academic & Student Affairs

Sam MaWhinney, ScD
Associate Dean for Faculty Affairs

Ned Calonge, MD, MPH
Associate Dean for Public Health Practice

Tracy Nelson, PhD, MPH
Director, Colorado State University

Christine Gillen, MS
Associate Dean for Finance and Administration

Patricia Valverde, PhD
Director, University of Northern Colorado

Cerise Hunt, PhD, MSW
Associate Dean for Equity, Diversity & Inclusion

Department Chairs

Elizabeth Carlton, PhD
Chair, Environmental and Occupational Health

Jill Norris, PhD, MPH
Chair, Epidemiology

Jenn Leiferman, PhD
Chair, Community and Behavioral Health

Glen Mays, PhD
Chair, Health Systems, Management & Policy

Nichole Carlson, PhD
Interim Chair, Biostatistics, and Informatics

Anschutz Medical Campus Staff

Katherine Brumfield, MA
Career Services Manager

Katie Guthmiller, MPH
Recruitment & Outreach Program Manager

Becca Rothkopf, MSW
Practice-Based Learning Senior Professional

Laura Hager, MPA
Associate Director, Admissions and Student Affairs

Mary Leonard
Student Life Coordinator

Brenda Witt
Academic Affairs Program Manager

Derly Santos Maldonado
Admissions Processing Specialist

Kalia Nguyen, MA
Student Support Specialist

Colorado State University Staff

Kendra Bigsby, MPH
Assistant Director

Christina Pasana
Academic Support Coordinator

Erika Lund
Administrative Assistant

University of Northern Colorado Staff

Allison DeVries
Assistant to the Director

Frequently Used Phone Numbers

Name:	Phone Number	Room
Katherine (Kathy) James, Program Director	303-724-8169	Fitzsimons Bldg, Rm W3137

Campus Office:	Phone Number	Room
Bookstore	303-724-2665	Ed2 S, 1st Fl
Bursar's Office	303-556-2710	Ed2 N, 3rd Fl
Campus Information	303-724-6245	
CU Online Help Desk (Canvas)	303-315-3700	
Disability, Access, and Inclusion	303-724-8428	Hlth Sciences Lib, V23-1409A1
Health Sciences Library	303-724-2152	12950 E. Montview Blvd.
Financial Aid Office	303-724-8039	Ed2 N, 3rd Fl
Graduate School	303-724-2915	Fitzsimons Bldg, Rm W5107
Ombuds (Counseling Services/Conflict Resolution)	303-724-2950	Fitzsimons Bldg, Rm C7005
Parking	303-724-2555	Fitzsimons Bldg, 1st Fl West
Payroll	303-735-6500	Boulder Campus
Registrar	303 724-8059	Ed2 N, 3rd Fl
Student Assistance Office	303-724-7686	Ed2 N, 3rd Fl

Artificial Intelligence

The development of artificial intelligence (AI) will continue to result in its integration into every level of our lives. As a first-of-its-kind program dedicated to training practitioners and researchers in climate and human health, we cannot ignore the part AI will play in your training and career. Our program strives to emulate guidance provided by the Graduate School (information here).

Within the scope of coursework and training, your instructor/mentor may provide explicit guidelines for the use of AI within your learning. As the user, you are responsible for ensuring that your use of AI follows all applicable academic policies, honor codes, and/or other guidelines. AI assistance must be disclosed and include platform name and version, date of use, and a brief description of the command used. Students should consult their instructor with specific uncertainties.

As a best practice with this emerging technology, we strongly recommend that students maintain AI transcripts for relevant AI assistance.

Approved AI Tools by OIT:
- Microsoft Copilot for the Web

Developing AI Tools of Relevance:
- Elicit – Ask Elicit a research question and it returns a list of academic articles and sources with short summaries of each, and a summary of the top 3-4 most relevant sources in its table
- Explainpaper – Upload a PDF of an academic article, then highlight passages for the AI to explain to you.
- GPTZero – Paste in text and it will tell you its relevant likelihood that it is generated by an AI, such as ChatGPT, by providing two indices (perplexity and burstiness); the lower the perplexity and burstiness, the more likely the text was generated by AI
- Perplexity – provides short answers to questions, and provides the sources of each part of its response from the internet
- Dall*E 2 – Creates images and realistic art based upon a description

Computer Labs

Research and study opportunities are enhanced through the various resources available to students, including student computing labs (Ed1 CTL P26-1501, Ed2 N CTL P28-2201 & RC1 N CTL P18-1309) and student rooms in the Education 1, Education 2, and the Research 1 North Buildings.

Institutional Review Board

All students are expected to complete and maintain training (CITI Program) when engaged in human subject research. Information and policies can be found on the Colorado Multiple Institutional Review Board website.

Access to the Electronic Research Administration (eRA) system is automatically granted to individuals in faculty or staff positions. Affiliates and students may request access to the eRA system and complete CITI training here.

Office of Information Technology

The Office of Information Technology (OIT) provides technology services and solutions to the University of Colorado Anschutz Medical Campus. Below is a list of software commonly used by students and faculty.

> *Software*: Adobe, EndNote, Microsoft 365, Microsoft Teams, Multi-Factor Authentication w/ Duo SAS, SPSS, STATA, R and R Studio, Remote Access VPN, Qualtrics, Zoom

Check out their website to learn more: https://www.cuanschutz.edu/offices/office-of-information-technology

Parking and Transportation Services

Students have access to various parking and transportation services provided by the University, including:
- Campus parking permits with tiered rates (register for permits here);
- CU Anschutz RTD CollegePass (more information found here);
- and shuttle service to the RTD R-line at the Fitzsimons Stations (more information found here).

Scheduling Rooms for Meetings or Defense

To schedule the conference rooms (Ward Darley, Teleconference Room, or Dean's Conference Room) on the 3rd Floor of the Fitzsimons Building or another room at the Anschutz Medical Campus for a committee meeting or defense, please contact (303) 724-4442.

Study and meeting rooms can also be reserved in the Strauss Health Sciences Library (link here).

Strauss Health Sciences Library

The Straus Health Sciences Library is our on-campus resource for linking people with health science resources to advance learning, care, research and community. Resources and services include:
- 24/7 building access for faculty and students
- Professional literature searches
- Study/meeting rooms
- Databases for articles, books, media, and more
- Laptops, medical equipment, fitness gear, and more for check-out
- Wireless printing
- IT & AV support for in-library events/presentations

Student Support

Maintaining the safety and well-being of every student at CU Anschutz is incredibly important to our community. If you or someone you know needs help with any personal, mental, or domestic issues, we're here to help.

The Office of Student Affairs helps provide and facilitate the following support, and more:
- **The Phoenix Center** – free and confidential support services for faculty, staff, and students on issues of interpersonal violence
- **CU Anschutz Shares** – a resource for students facing temporary financial hardships that threatens the student's ability to successfully complete the current semester

- ***Anschutz Food Pantry***
- ***Office of Disability, Access, & Inclusion***
- ***HelpCompass*** – an crisis navigation tool to help connect students, faculty, and staff with the right help in the moment of need
- ***YOU@CUAnschutz*** – a personalized wellness hub that offers information about health and well-being, customized to your interests and needs.
- ***Telus Health Student Support App*** – free tele-mental health counseling for students, offering services anytime, anywhere

University Police

The CU Anschutz Campus Police is an agency with full policy authority, providing public safety services to our campus. While playing a key role in creating a sense of safety in our community, they also provide community education and programing, and various campus services.

For on-campus safety and security, call 303-724-4444 or use the SafeZone app (found here)

Education & Training:
- Active Harmer Response Training
- Stop the Bleed® Training
- Build-a-Kit Training
- RAD Training

Services:
- Bicycle Registration
- Door openings
- Lost and found
- Motorist assist
- Property/evidence release
- Request a police report
- Security escort

School/Work/Life Balance

Achieving success in a graduate program requires dedication, hard work, and focus. However, it's crucial to remember that maintaining a healthy balance between academic pursuits, professional responsibilities, and personal well-being is essential for long-term success and overall happiness. When done well, it can promote:

1. ***Enhanced productivity:*** *Taking breaks and engaging in non-academic activities allows your mind to recharge, leading to better focus and efficiency when you return to your academic or professional tasks.*
2. ***Reduced stress:*** *Juggling multiple responsibilities without a proper balance can lead to burnout and heightened stress levels. By allocating time for relaxation, hobbies, and social interaction, you can mitigate stress and maintain your mental and emotional well-being.*
3. ***Improved health:*** *Neglecting personal health in pursuit of academic or professional goals can have serious consequences. Regular exercise, proper nutrition, and sufficient sleep are crucial for overall health and cognitive function. Balancing your commitments ensures that you prioritize self-care and maintain a healthy lifestyle.*

4. ***Enhanced Creativity and Innovation:*** *Engaging in activities outside of your academic or professional sphere stimulates creativity and fosters innovation. Taking time to explore new interests, hobbies, or even just spending time in nature can provide fresh perspectives and insights that may benefit your research or work.*
5. ***Stronger Relationships:*** *Building and maintaining meaningful relationships with friends, family, and peers is essential for overall happiness and well-being. Balancing your commitments allows you to devote time to nurturing these relationships, which can provide invaluable support during challenging times.*

Check out some of these tips and tricks: https://www.cuanschutz.edu/student/health-wellness

Statement about COVID-19 at ColoradoSPH

The Colorado School of Public Health ended its vaccination requirement, effective July 1, 2023. ColoradoSPH is operating on a hybrid model, with some areas operating remotely and in-person activity permitted, as specified by the school or unit. Masks are not required of vaccinated and boosted individuals currently. ColoradoSPH students and ColoradoSPH at CU Anschutz staff and faculty are no longer required to be vaccinated against COVID-19.

For the latest updates related to university operations and for resources, please visit the COVID-19 page of CUAnschutz: https://www.cuanschutz.edu/coronavirus

The CU Anschutz Medical Campus guidance policies remains in effect for everyone – regardless of vaccination status – who has COVID-19-like symptoms, tests positive or may have been exposed to a COVID-19 case. Anyone fitting these categories is asked to follow the protocol listed for each category under the Guidance section of the COVID-19 Protocols & Resources website: https://www.cuanschutz.edu/coronavirus.

Accommodations for Disability

University of Colorado Anschutz is committed to providing equitable access to learning opportunities to students with documented disabilities (e.g., mental health, attentional, learning, chronic health, sensory, or physical). To ensure access to this class, and program, please contact the Office of Disability, Access, and Inclusion (disabilityaccess@cuanschutz.edu) for disability services to engage in a confidential conversation about the process for requesting reasonable accommodations in the classroom and clinical settings.

Accommodations are not provided retroactively. Students are encouraged to register with Disability Resources and Services as soon as they begin their program. The Colorado School of Public Health encourages students to access all resources available through Disability Resources and Services for consistent support and access to their programs. More information can be found online at: https://www.cuanschutz.edu/offices/office-of-disability-access-and-inclusion

Family Educational Rights and Privacy (FERPA)

Purpose of FERPA

FERPA deals specifically with students' education records, affording them certain rights with respect to those records. For purposes of definition, education records are those records, which are:

1. Directly related to a student and
2. Maintained by an institution or a party acting for the institution.

FERPA gives students who reach the age of 18 or who attend a post-secondary institution the right to inspect and review their own education records. Furthermore, the right to request amendment of records and to have some control over the disclosure of personally identifiable information from these records shift from the parent to the student currently.

FERPA applies to the education records of persons who are or have been in attendance in post-secondary institutions, including students in cooperative and correspondence study programs, videoconference, satellite, Internet, or other electronic forms. FERPA does not apply to records of applicants for admission who are denied acceptance or, if accepted, do not attend an institution.

Directory Information

FERPA directory information is information contained in your education record that generally would not be considered harmful or an invasion of privacy if disclosed. Under current CU Denver policy, the following information is designated as directory information:

1. name
2. address, telephone number, and email address
3. dates of attendance, registration status
4. class, major
5. awards
6. honors
7. degrees conferred
8. photos

Although these items are designated by CU Denver as directory information, only a limited amount of this information is routinely disclosed by CU Denver officials, and the University retains the discretion to refuse to disclose directory information if it believes such disclosure would be an infringement of your privacy rights.

Nondisclosure of Directory Information

Students may ask the University not to publicly disclose directory information. Please note, however, that if you elect for nondisclosure of directory information and are seeking employment, the Registrar's Office cannot release your enrollment, degree status or major to anyone unless you come to the Registrar's Office with a photo ID.

Forms to prevent disclosure of directory information can be obtained at The Anschutz Medical Campus Registrar's Office or via the Registrar's website at: https://www.cuanschutz.edu/registrar/student-resources/forms

Questions regarding your rights under FERPA should be directed to the Registrar's Office: Anschutz Medical Campus:

> Phone: 303-724-8059
> Fax: 303-724-8060
> Email: Registrar@CUAnschutz.edu

For additional information regarding FERPA, please visit the complete policy on the Registrar's website at: https://www.cuanschutz.edu/registrar/student-resources/ferpa

Immunization Policy

To ensure that a minimum standard of public health and safety is provided for our faculty, students, and community all students matriculating into any ColoradoSPH program are required to provide proof immunizations in accordance with University of Colorado Anschutz campus policy: 7014a---student-immunization-requirements-and-compliance.pdf. According to this policy, all students must provide proof of the following immunizations: measles, mumps, rubella, tuberculosis, varicella, hepatitis B, polio, influenza and the Tdap series (tetanus, diphtheria and pertussis). Colorado School of Public Health utilizes the third party immunization verification system CastleBranch. Students who do not submit immunization records at the specified time may experience a hold on future registration and/or be administratively withdrawn from classes until proof of immunizations has been received.

Health Insurance Requirement

Full-time students are required to have a university student health insurance plan unless proof of comparable coverage can be verified. Students are required to have insurance at their home campus only. If a student wishes to waive the insurance requirement due to comparable personal coverage, they may do so by petitioning the student health office at their home campus. Students at the Anschutz Medical Campus enrolled in one or more credit hours are required to have health insurance.

Background Check Policy

Students matriculating into any ColoradoSPH program (including non-degree) are required to pass a criminal background investigation. The background check is conducted during the admissions process through CastleBranch. Students are required to pay a non-refundable processing fee for conducting the background check. Students who work at the university also need to submit the processing fee and complete the student background check, as additional criteria are specified beyond that required for employment. This must be completed before course registration can begin.

Student Academic Honor and Conduct Code

Education at the Colorado School of Public Health (ColoradoSPH) is conducted under the honor system. Matriculation at ColoradoSPH implies the acceptance of, and adherence to, the ColoradoSPH Student Academic Honor and Conduct Code. All students who have entered graduate and health professional programs should have developed the qualities of honesty and integrity, and each student should apply these principles to his or her academic and subsequent professional career. All students are expected also to have achieved a level of maturity always reflected by appropriate conduct.

Although it is not possible to list every situation that violates the ColoradoSPH Student Academic Honor and Conduct Code, the following examples provide a frame of reference. The Honor and Conduct Code of CU Anschutz, and the Academic Appeals Process of the Graduate School also govern EHOH Graduate students. Please see the Graduate School policies here: https://graduateschool.cuanschutz.edu/forms-resources/resources

Although it is not possible to list every situation that violates the Student Academic Honor and Conduct Code, the following examples provide a frame of reference:

1. **Academic Honesty**

Students should adhere to the highest standards of academic honesty and integrity. Examples of behavior that violate these standards include, but are not limited to: plagiarism (including the undocumented or improperly documented use of internet and web-based information), cheating, copying solutions from solutions manuals or from tutors, and using it as your own work, citing references not used in your work, illegitimate possession and/or use of examinations, unlawful use of AI, violation of the ethical standards for conducting research, and falsification of official records.

2. **Professional Conduct**

As future health professionals, students should also adhere to the highest standards of professionalism. Examples of unprofessional conduct include misrepresentation of effort, credentials, or achievement in either the academic or professional setting; any action that compromises the quality or safety of patients, study participants, or the public; violation of patient or study participant confidentiality; institutional review board (IRB) violations; forgery, alteration, or misuse of any university document, record, or instrument of identification; disorderly, lewd or indecent conduct; disrespectful communications in all forms including verbal, written, email, and text messages; failure to be accountable or take responsibility for one's actions; and any other conduct unbefitting a professional public health practitioner, researcher, or educator.

3. **Alcohol and Drug Use**

Excessive alcohol and/or drug use compromises the student's ability to learn and to practice as a public health professional and thus is considered unprofessional conduct. Students who misuse alcohol and/or drugs should seek assistance from services available on campus or elsewhere. The sale of drugs or the possession of narcotics (unless prescribed by a medical doctor) is against the law. To minimize the potential for excessive alcohol use at campus functions, students must adhere to current University policy governing the consumption of alcohol on campus.

4. **Respect for the Rights and Property of Others**

Students should always conduct themselves in a manner that recognizes the rights and property of others. Examples of prohibited behavior include theft, damage to University or personal property of others, disruption of educational or other activities on campus, illegal use of University facilities, sexual harassment, physical assault, violation of academic honesty standards in a way that affects other students or faculty, such as in a group or collaborative project, and any conduct that threatens the health or safety of others.

5. **Adhere to all state and local public health and safety orders and campus public health and safety policies.**

Students are responsible for knowing and following all health and safety orders and policies. Examples include the wearing of face coverings, guidelines for social gatherings and events, quarantines, isolation, orders to shelter in place, and any other public health and safety orders and policies.
Any student found to have committed acts of misconduct (including, but not limited to cheating, plagiarism, misconduct of research, breach of confidentiality, or illegal or unlawful acts) will be subject to the procedures outlined in the Honor Code.

Additional information regarding the ColoradoSPH Honor Code can be found online at: https://coloradosph.cuanschutz.edu/education/calendars-policies

Academic Grievance Policy

The Colorado School of Public Health (ColoradoSPH) recognizes that a student may have grievances about different aspects of his or her academic program.
ColoradoSPH is committed to addressing these grievances promptly and professionally and reaching a fair resolution through a formal and unbiased process.
In the statements below, "Associate Dean" refers to the Associate Dean for Academic and Student Affairs.
Student Rights
All ColoradoSPH Students have the right to:
1. Competent instruction
2. Access to instructors outside of class during a specified set of office hours or by appointment
3. Clearly understand the grading system by which he or she will be judged, and expect that the grading system as determined by the instructor will be adhered to for the duration of the course
4. Be treated with respect and equality

5. Be treated fairly according to standards stated within the student handbook and each course syllabus

If a student feels as if they have been denied one of the above rights, that student may file a formal grievance with the school.

The full Academic Grievance policy can be found online at:
https://coloradosph.cuanschutz.edu/education/calendars-policies

Non-Discrimination Policy Statement

The University of Colorado, including ColoradoSPH, will not discriminate against any applicant, student or employee because of race, color, religion, sex, national origin, age, disability, creed, sexual orientation, or veteran status. The university and ColoradoSPH will take affirmative action to ensure that applicants, students, and employees are treated without regard to their race, color, religion, sex, national origin, age, disability, creed, sexual orientation, or veteran status. The University of Colorado Non-Discrimination Policy can be found at:
https://www.cu.edu/ope/aps/5065

Sexual Misconduct Policy Statement

It is the policy of ColoradoSPH to maintain the community as a place of work, study, and residence free of sexual harassment or exploitation of students, faculty, staff, or administrators. All forms of sexual misconduct, including sexual harassment, are prohibited on campus and in any of the School's programs. ColoradoSPH is committed to taking appropriate action against any member of the University community who violates the policy. No retaliation will be taken against any individual for making a legitimate complaint. It is a violation of the ColoradoSPH policy to knowingly make a false accusation. For more information, please refer to the Title IX overview: https://www.ucdenver.edu/offices/equity/university-policies-procedures#ac-sexual-misconduct-intimate-partner-violence-and-stalking-policy-aps-5014-1

Policy on Pregnancy and Parenting

The Colorado School of Public Health does not discriminate against any student on the basis of pregnancy, parenting status, or related conditions. Absences due to medical conditions relating to pregnancy will be excused for as long as deemed medically necessary by the student's doctor and the student will be given the opportunity, wherever possible, to make up for missed work. Students needing assistance can seek accommodation from the Office of Disability, Access, and Inclusion (disabilityaccess@cuanschutz.edu) or the Title IX Liaison for ColoradoSPH (Madiha Abdel-Maksoud, Madiha.Abdel-Maksoud@cuanschutz.edu).

Email Policy

Email is an official means of communication for ColoradoSPH students. All official email related to enrollment at ColoradoSPH (including, but not limited to, financial aid, billing, transcripts, school announcements) will be sent to each student's assigned CU email address. (name@cuanschutz.edu), regardless of the student's home campus. Students are responsible for checking their CU email on a regular basis. The student Academic Honor and Conduct Code should be followed when using university email and other forms of university electronic communication and devices.

For questions regarding your CU email account, please contact the Anschutz Medical campus OIT Department at (303) 724-HELP or visit their website at: https://www.cuanschutz.edu/offices/office-of-information-technology/get-help

Identification/Access Badges

Students are required to have an electronic security photo ID badge for the safety and protection of all faculty, staff, and students on campus. Additionally, this badge allows students access to buildings and computer labs, as well as parking surfaces.

Badge applications for the CU Anschutz Medical Campus are issued to the ID Badge Office by the education staff prior to the start of a student's first semester in the program. Students should pick up their badges at one of the badging pickup days or make alternate arrangements with the Office of Academic and Student Affairs (coloradosph.studentaffairs@cuanschutz.edu)

Establishing Residency

The requirements for establishing residency for tuition purposes are defined by Colorado law. The statutes require that a qualified individual must be domiciled in Colorado for the twelve (12) consecutive months immediately preceding the term for which resident status is claimed.

A person's tuition classification status is initially determined using the Verification of Residency form submitted during the application process for admission. If a person is classified as a "nonresident," they must wait until they are eligible for a change in tuition classification and then file a petition for the change. Petitions that are denied may be appealed.

For more information regarding establishing residency, please visit the CU Anschutz Medical Campus Registrar's website at: https://www.cuanschutz.edu/registrar/residency

Tuition and Fees

Each semester, ColoradoSPH students receive a single bill for ColoradoSPH tuition and fees from the CU Anschutz Medical Campus Bursar's Office. At the time of matriculation, all students are charged the university matriculation fee,
background check fee, and enrollment deposit. Fees associated with the student's primary campus, such as academic support fees and RTD fees are also assessed.

When students take courses at a campus other than their primary campus, there are no added general fees for taking courses outside of the primary campus, but course-specific fees may still apply. All students, regardless of their home campus, must follow the CU Anschutz payment policies and deadlines. More information about fee and billing policies can be found on the bursar's website at: https://www.cuanschutz.edu/student-finances/billing-payments

A breakdown of tuition and fees per campus can be found on the ColoradoSPH website at: https://coloradosph.cuanschutz.edu/admissions/tuition-aid/cost-of-attendance

Students must follow the published drop/add deadlines to receive a tuition refund for any dropped courses. For courses dropped before the semester's drop/add deadline, full tuition and

fees will be refunded. ***Courses dropped after the semester's drop/add deadline will be considered withdrawals and will not be refunded tuition and fees***. For more information on dropping or withdrawing from a course, see "Registration Policies" in this handbook.

The Academic Calendar, which specifies deadlines, including the drop/add deadline, can be found on the ColoradoSPH website at: https://coloradosph.cuanschutz.edu/education/calendars-policies

For students who have been approved to take a course(s) at the downtown CU Denver campus, the ColoradoSPH tuition rate will be charged for those courses, unless the student is enrolled in a dual degree program with the downtown campus. The ColoradoSPH tuition rate may be different than the downtown UCD campus rate.

Employee Tuition Benefit

Employees of the University of Colorado and their dependents may be eligible for up to nine credit hours per year to be used for University of Colorado courses on a space-available basis. When employees are using the tuition benefit, registration can only occur on or after the first day of classes for tuition to be waived. For registration of dependents, please see the link below, as new policies for dependent registration are in development. Students who violate this policy are at risk of losing their tuition benefit. For the entire policy, restrictions, and forms, please visit the Payroll and Benefit Services website: https://www.cu.edu/pbs/tuition-benefit/

Please note that CU Denver/Anschutz Medical Campus waivers may only be applied to courses at CU Denver/Anschutz Medical Campus.

By university policy, tuition waivers are accepted on a space-available basis. Some courses, particularly core courses, have been reaching their enrollment caps with tuition-paying students, therefore, there has not been space for students using tuition waivers. Students who wish to use a tuition waiver and who must take these courses in a particular semester should consider paying tuition for these core courses and using tuition waiver credits for other courses that have more space available.

The courses likely to fill before waiver-using students can register include BIOS 6601. BIOS 6602, BIOS 6611, BIOS 6612, CBHS 6610, CBHS 6612, EHOH 6614, EPID 6626, EPID 6630, EPID 6631, HSMP 6601, PUBH 6600.

By university policy, tuition-paying students (including non-degree students) receive higher registration priority than students using tuition waivers.

Please visit the employee tuition benefit webpage for more information:
http://www.cu.edu/employee-services/benefits/employee-tuition-benefit

Financial Aid

All financial aid is processed through the CU Anschutz Medical Campus Financial Aid Office. All ColoradoSPH students interested in applying for financial aid should do so through the CU Anschutz Medical Campus. Detailed information can be found at:
https://coloradosph.cuanschutz.edu/admissions/tuition-aid/financing-your-education

For financial aid purposes, full-time status is considered five credits per fall, spring, or summer term. Part-time is considered 3 credits per fall or spring term and 2 credits per summer term.

Advisors

The program director will serve as an advisor to each student upon entry into the program. This is not a permanent assignment. During the first year, students and faculty will interact to identify advisor-student matches based on research and practical training interests. The faculty member selected to supervise the thesis, research paper or dissertation automatically becomes the student's academic advisor/mentor as well. Students should meet with their advisor/mentor at least once per semester before starting work on a thesis/dissertation and should keep their advisor/mentor and the program director informed of study plans. Meetings with the advisor/mentor should occur at least weekly once work on the thesis/dissertation begins.

Registration Policies

All students should register for ColoradoSPH courses through UCD Access at https://portal.prod.cu.edu/UCDAccessFedAuthLogin.html. Students must have a CU email address to access the registration system.

Students enrolling for the first time must meet with the program director prior to fall semester for annual academic advising before they can utilize web-based registration.

Auditing Courses

The CU Anschutz Medical Campus does not allow auditing of courses. Students may register for a course for "No Credit," but must pay the full tuition and fees. Students must designate "No Credit" by the appropriate deadlines as set forth by the Registrar's Office. No Credit forms are available from the CU-AMC Registrar's Office: https://www.cuanschutz.edu/registrar

Late Registration

Students wishing to register for a course after the drop/add deadline must get the approval of the course instructor and Associate Dean for Academic and Student Affairs. If late registration is approved, a late registration fee of $60 will be assessed. Students should use the Registration Form on the CU Anschutz Registrar's website to request late registration on a course here: https://www.cuanschutz.edu/registrar/register

Dropping & Adding a Course

The drop/add period usually extends 1-2 weeks into the semester from the first day of classes and is typically shorter in summer semesters. Please consult the ColoradoSPH Academic Calendar for exact deadlines. You may drop or add a class during the drop/add period using the registration system in the UCD Access portal:
https://portal.cusys.edu/UCDAccessFedAuthLogin.html

After the drop/add deadline has passed, discontinuation of course enrollment will be considered a withdrawal, and will follow policies detailed in "Course Withdrawal Policy" below. Withdrawal will result in 0% tuition reimbursement and a corresponding grade of "W" (withdrawal) will be reflected on the transcript.

Note, for courses with start dates that vary from the regular academic calendar (e.g., some summer courses are compressed to short time frames that start after the summer drop/add deadline), students may avoid a tuition penalty if they withdraw before the 2nd class meeting.

Permission to register for or withdraw from a course after the drop/add period without a tuition penalty will be granted only in the presence of extenuating circumstances and require the approval of the Associate Dean for Academic Affairs. Appeals for tuition refunds after the drop/add deadline will follow the policy outlined on the Tuition Appeals Form: https://coloradosph.cuanschutz.edu/resources/for-current-students/academic-forms

Drop/add deadlines can be found on the ColoradoSPH Academic Calendar at: https://coloradosph.cuanschutz.edu/education/calendars-policies

Registering for Courses on Other CU Campuses

ColoradoSPH students can register for UC Denver (downtown) campus courses with the UCD Access registration system, given that any prerequisite requirements are met. For more information about tuition and fees for courses taken at non-ColoradoSPH campuses, see "Tuition and Fees" in this handbook. If the student wishes to apply to a course taken at UCD downtown toward degree program requirements, they must secure faculty advisor approval **prior** to taking the course. See "Electives outside ColoradoSPH" below.

Students who would like to enroll for a course on the Boulder or Colorado Springs campuses **do not** register on UCD Access. Instead, they must complete the *Concurrent Registration Form* found on the Anschutz Medical Campus Registrar's Office at:
https://www.cuanschutz.edu/registrar

Approval from both the host and home campuses is required. After all signatures have been obtained, the completed form should be returned to the CU Anschutz Medical Campus Registrar's Office for processing. Students must be registered for at least one course on their home campus to add a concurrent class on either the Boulder or Colorado Springs campuses.

Leave of Absence

Students who need to interrupt their coursework for a semester or more, either because of academic requirements for a dual degree program, or because of extenuating circumstances such as prolonged illness, maternity/paternity leave, or extreme personal hardship, may request a leave of absence.

Please note:
- Students must have completed at least one semester in the degree program and must have a cumulative GPA of 3.0 or above to be eligible for a leave of absence.
- Leaves of absence are valid for no longer than one year.
- Time spent on leave does not increase the maximum allowable time limit to complete the degree program.

Students desiring an extended break in progress toward their degree (more than the one year allotted by a leave of absence) should withdraw from the University and reapply for admission when they are ready to resume coursework. Upon possible readmission, any courses older than five years will need to be revalidated with the *Course Validation Form* on the ColoradoSPH website before the course(s) will count towards the degree requirements.
A leave of absence can be requested using the *Leave of Absence Request Form* on the ColoradoSPH website at: https://graduateschool.cuanschutz.edu/forms-resources/resources

Any leaves of absence must be approved in advance by the Campus / Concentration Director and the Associate Dean for Academic & Student Affairs.

Course Withdrawal Policy & Timeframe

Withdrawal from a course is a formal discontinuation of the course after the drop/add period, and results in a grade of "W" on the student's official transcript. If attendance in a current

course is discontinued without an official withdrawal, the student's transcript will reflect the grade earned for that course. **Withdrawals are not eligible for tuition reimbursements.**

- 100% reimbursement will be granted if a ColoradoSPH course is dropped before classes begin or during the drop/add period (see Academic Calendar for semester deadlines)
- There will be no reimbursement for withdrawal after the drop/add period and a grade of "W" (withdrawal) will be reflected on the transcript.

In the case that circumstances outside the student's control, such as medical issues or a death in the family, necessitate withdrawal from coursework after the drop/add deadline, students may be granted a tuition refund.

Grading Policy

The program adheres to the Graduate School grading policies as outlined in the Graduate School Handbook. In addition, the program has the following grading policies:

1. All coursework must be completed on time. A student may be assigned an "I" (incomplete) grade, with advance agreement from the instructor, which will convert to an F grade after one year if the coursework has not been completed.

2. MS Thesis, MS Research Paper, and Dissertation credits are assigned the grade IP until the final written paper is complete. At that time, a letter grade will be assigned retroactively.

3. To maintain satisfactory academic progress, advance to candidacy, and earn a graduate degree, students are required to maintain at least a "B" (3.00) average in all course work attempted while enrolled in the Graduate School. Courses with grades below "B-" are not accepted for any MS or PhD degree. Students that receive such grades may repeat that course once within 24 months with the approval of the graduate program. All grades received will appear on the student's transcript and will be included in the GPA calculation. If the course is a prerequisite for other courses, the student must obtain special permission from the instructor to enroll in an advanced course in the sequence before retaking the prerequisite.

Grading System

For the calculation of grade point average (GPA), the following point assignments are used at the CU- AMC:

Grades	Non-Grade status in course
A = 4.0 (A+ is not given in this system) A- = 3.70	IP – In progress used for Practicum and Research Paper credits
B+ = 3.30 B = 3.0 B- = 2.70	I – Incomplete (Converts to an "F" if not completed after a maximum of one year) W – Withdrawal (used for courses dropped after the drop/add period)

Some courses use a Satisfactory (S)/Unsatisfactory (U) grading system and are not included in the student's GPA.

Students may access their grades in ColoradoSPH courses via UCD Access; grades are not mailed or distributed by the ColoradoSPH or the Anschutz Medical Campus.

Incomplete Coursework

In the case that a student cannot complete a course during the regular semester, the student may request an incomplete or "I" grade in the course, which will enable the student to complete the course on a timeline agreed upon by student and instructor.

Students must gain approval from the instructor of the course in which they are seeking an incomplete prior to the end of the academic term by completing the Request for a Grade of Incomplete Form found on the ColoradoSPH website at:
https://coloradosph.cuanschutz.edu/resources/for-current-students/academic-forms

A substantial amount of work must have been satisfactorily completed before approval for an incomplete grade is given. Students will be granted no more than one year in which to finalize incomplete coursework and solidify their grade. If the coursework is not completed in that timeframe, a grade of "F" will automatically be applied to the student's transcript.

Students who have been approved for an incomplete grade and need to continue the course should *not* re-register for the course on UCD Access, because this will cause duplicate tuition to be charged. If an 'incomplete' grade has been approved and continued access to online materials (i.e., Canvas) is needed, please contact the Office of Academic & Student Affairs. ***Students should not re-register for the course to gain access to online course materials.*** steps taken to overcome deficiencies that led to termination. The student's application will be considered equally with other applications but will not be given special consideration.

Withdrawal from the Colorado School of Public Health

Students who wish to withdraw from the ColoradoSPH must submit a University Withdrawal Form to the office of the registrar.
https://www.cuanschutz.edu/registrar/student-resources/forms

Academic Calendar

Please visit the website for the current academic calendar:
https://coloradosph.cuanschutz.edu/education/calendars-policies

ColoradoSPH Course Book

The ColoradoSPH Course Book, which provides descriptions of all approved courses is available at:
https://coloradosph.cuanschutz.edu/education/courses-and-registration

Transfer Credits

Graduate School rules allow students to transfer up to 12 semester credits towards a MS degree and 30 semester hours toward the PhD degree for courses taken either at another university or as a non-degree student at UCD. Courses taken at any CU campus by students enrolled in a program are not considered transfer credits.

Transfer of credit from other universities must meet the following criteria:
1. The course must be graduate level (offered within the degree program at or above 5000-level)

2. If offered outside the degree program, (including transfer credits), are 5000- equivalent level or higher and are approved for a specific degree plan by the program.
3. The grade must be at least a B- for MS students and at least a B for PhD students.
4. The student must have at least a 3.0 GPA after at least one semester in the current program.
5. The work must have been completed within the past seven years or validated by a Program Director to ensure that the content has not significantly changed since taking the courses.
6. The student must submit an outline and/or syllabus from the course to a program director for content review.
7. The request for transfer must be made on a form obtained from the Graduate School. The form must be completed by the student, endorsed by the advisor and the program director, and sent to the Graduate School along with an official transcript showing the course.

Foundational Public Health Knowledge Requirement

It is a requirement of the school's accreditation that all ColoradoSPH MS and PhD students are grounded in foundational public health knowledge. This is a curriculum requirement of the MS program, and a prerequisite to the PhD program. To satisfy this requirement, all MS and PhD students must complete the following courses:

- Foundations in Public Health (PUBH6600- 2 credits)
- Public Health Concepts for Non-MPH (EHOH 6601- 1 credit)
- Epidemiology (EPID 6630- 3 credits)

Students with a prior MPH degree or a graduate-level degree from a CEPH-accredited institution are eligible to waive this requirement.

Program Requirements

Coursework Requirements

Students who have had some of the required (or equivalent) courses prior to admission into the program may be allowed to substitute credit hours using those courses. The following tables list the credit hours required to complete the Ph.D. in Climate and Human Health.

Coursework Prerequisites

Students are required to have a bachelor's or master's degree in fields with quantitative preparation, including the natural sciences, e.g., biology/neuroscience/biochemistry, chemistry, physics, math, psychology, economics, and requiring sufficient grounding in the health sciences or professional degree in medicine, nursing, veterinary medicine, or appropriately related field. Those students without the appropriate master's level coursework will be required, as a prerequisite to admission, to complete all appropriate prerequisite coursework. If only a bachelor's degree, then it is preferred the applicant have 2 or more years of work in a related field.

- o Foundations in Public Health (PUBH 6600 – 2 credit hours)
- o Epidemiology (EPID 6630 – 3 credit hours)
- o Public Health Concepts for Non-MPH (EHOH 6601 – 1 credit hour)

Students with a prior MPH degree or a graduate-level degree from a CEPH-accredited institution are eligible to waive this requirement. Documentation of broad public health background is required. See "Foundational Public health Knowledge Requirement" in this handbook.

Program Coursework

The following table lists the credit hours required to complete the PhD program. If the pre-requisites are not met, they will need to be completed in addition to the required coursework for the PhD.

Course Name	Catalog Number	Credits
Core Climate and Human Health Coursework (9 total)		
Climate Change and Health	EHOH 6635	3
Environmental and Occupational Epidemiology	EHOH 6617	3
Climate Health in Workforces	EHOH 7401	3
Core Biostatistics and Analytics Coursework (9 total)		
Biostatistical Methods	BIOS 6611	3
Analytic Methods in Climate Health		6
Core Research Methods Coursework (9 total)		
Research Methods in Secondary Data	EPID 7605	3
Advanced Methods in Environmental and Occupational Health	EHOH 7631	3
Developing a Research Grant	EPID 7912	3
Core Leadership Coursework (4 total)		
Advanced Communication Skills for Public Health Impact	EHOH 7405	3
Ethical and Responsible Conduct of Research **OR** Public Health Ethics	CLSC 7150 PUBH 6655	1 1

Additional Coursework		
Electives		12
Dissertation (30 total)		
Dissertation Credits	EHOH 8990	30

Program Competencies

PHD-CLHH 1: Form a hypothesis and synthesize testable aims to evaluate a climate and human health related question.
PHD-CLHH 2: Design risk management, preparedness, or communication approaches to prevent and/or reduce the climate-related health effects in occupational or community populations.
PHD-CLHH 3: Demonstrate knowledge in equity, populations at elevated risk of climate-related health effects, or environmental and climate justice issues in communities or workforces.
PHD-CLHH 4: Synthesize transdisciplinary scientific literature related to climate and human health in communities or workforces.
PHD-CLHH 5: Demonstrate ability to describe sources of bias in data collection and how they can impact validity or strategies in study design or statistical analysis to minimize bias.
PHD-CLHH 6: Interpret qualitative or quantitative findings to identify interventions or mitigation strategies to prevent or reduce climate-related health effects.
PHD-CLHH 7: Demonstrate skills to identify or critically evaluate data sources appropriate for answering applied research and program evaluation questions in climate, environmental or occupational health.
PHD-CLHH 8: Develop grant proposals to conduct research to test well-conceived hypotheses and/or evaluation studies to assess impact.
PHD-CLHH 9: Demonstrate a high level of applications of ethical principles involved in leading research.
PHD-CLHH 10: Demonstrate excellent written and oral communication skills to translate the results of research findings to the public or other professionals.

Teaching Requirement

All Climate and Human Health PhD students are required to be a teaching assistant (TA) for at least one *core EHOH program course* within the ColoradoSPH to meet the requirements of the degree program. Students must receive approval from the program director before arranging the teaching assistantship. Once that approval has been obtained, the program director and department chair will assign students to a class.

The Wicked Seminar on Climate and Human Health

The Wicked Seminar: Climate and Human Health are presentations given by students, faculty, in the PhD program and guest lecturers. Attendance is required for PhD students in Climate and Human Health. Students in year 2 and above are required to present once every academic year. Students are encouraged to present on one aspect of their current doctoral research. If a student does not have a thesis project, then the topic could be a current project or a complex climate and health topic.

The encouraged structure is a 30-45 minute description of the project, background literature, methodological approaches, and findings. The remaining time is spent discussing the methodological issues posed by the student. The student must work with their advisor or another faculty member to plan and facilitate the seminar; the student should verify that the faculty member can attend the planned date before signing up for a specific date.

Bi-Monthly Current Events & Career Development Luncheon

This in-person luncheon is designated for stimulating conversation around current events in climate and human health and discussing career development/pathways for students. Attendance is required August through November and January through April (total of 4 luncheons per year).

Preliminary Examination

Acceptance of a graduate student into a program of study leading to the doctoral degree is not implied by admission to the Graduate School but occurs upon successful completion of the preliminary examination. Students must take a written preliminary examination at the end of Year 1 in the program. The exam covers material from core courses EHOH 6635, 6617, 7401, and 7631, EPID 7605, and BIOS 6611. Any deviation from this must be approved by the program director. This examination must be passed for the student to continue in the program. Students who do not pass the exam (or a section thereof) are required to retake the exam (or section) the next time the exam is offered. The exam may be retaken once and is generally given each year in June.

Selecting a Comprehensive Examination and Dissertation Defense Committee

Students select at least five members to serve as an examination committee for the Comprehensive Examination and Dissertation Defense. This committee is required to meet at least twice a year.

> Note: Students must receive approval of their committee from the Program Director at least 3 months prior to scheduling the comprehensive examination. All members must have, or be eligible for, a Graduate School faculty appointment.

For any committee member who does not yet have a Graduate School faculty appointment, the student must forward a copy of the committee member's current curriculum vitae (CV) to the Academic Affairs Specialist who will process the appointment. The student's main technical advisor/mentor may not be the Chair of the examining committee. The primary mentor, co-mentor (if applicable) and committee chair must be tenured or tenure-track Full, Associate, or Assistant Professors who hold doctorate degrees (PhD, DPhil, DSc, EdD, or PsyD). In addition, the committee must meet the following minimum criteria:

1. Two members of the committee must be part of the EHOH Core Faculty. One of these two members will become the Chair of the dissertation committee. The other will serve as the mentor for the project. Both faculty members serve as the student's academic advisors for the duration of the dissertation project.
2. One member must be from outside the School. An outside member is defined as a person without a primary faculty appointment at the Colorado School of Public Health.
3. The remaining two slots on the committee can be filled by anyone who meets the above criteria.

Application for Admission to Candidacy

Students must complete the application for admission to candidacy for the PhD degree. The student initiates the DocuSign form found on the Graduate School website at least 2 weeks prior to the comprehensive exam date. The form is then forwarded to the Program Director, Advisor(s) and Program Administrator for verification of the courses listed that are to be applied towards the degree and signatures. The required DocuSign form can be found on the Graduate School website: https://graduateschool.cuanschutz.edu/forms-resources/resources (Application for Candidacy Form)

Scheduling the Comprehensive Exam

The Exam Request form is required to schedule the comprehensive exam. Students must initiate the DocuSign form process _at least two weeks_ prior to the comprehensive exam date. The form will then be routed to the Program Director and Program Administrator to approve and sign. The Exam Request form can be found on the Graduate School website.
https://graduateschool.cuanschutz.edu/forms-resources/resources (Exam Request form)

Comprehensive Examination

The Dissertation Committee will administer oral and written comprehensive examinations when a student has chosen a dissertation topic and is ready to initiate the project. ***The comprehensive exams must be taken no later than the end of the third year, except under extenuating circumstances***. The written exam will consist of a literature review and research proposal. The oral examination consists of a presentation and discussion of the student's dissertation proposal. In addition, the student should demonstrate in-depth knowledge of the methodological issues pertinent to the student's project. The literature review and dissertation proposal should be submitted in writing to the dissertation committee at least 3-5 weeks before the oral exam. The literature review and proposal should be written in NIH research proposal format outlining the background, significance and specific aims for the proposed research. In addition, a detailed methods section should demonstrate an understanding of study design issues and the analytic approach along with any preliminary findings. NIH page restrictions do not apply. When both the written and oral parts of the comprehensive examination have been passed, and the other Graduate School requirements are complete, students can proceed with their dissertation. The required forms can be obtained from the Graduate School website:

Below is a list of the possible outcomes for your comprehensive exam:

Pass- you receive the affirmative votes of majority of the members of your committee to pass.

Pass with conditions- the committee may feel that although you have passed the examination you should complete additional work on the thesis. These conditions will be specified and must be satisfied within 4 months of the exam.

Fail- if you fail the examination, per Graduate School rules you may be subject to immediate dismissal from the program. At the program's discretion, you may be allowed to retake the examination once. The retake will be in a format designated by the committee and must be completed within 12 months. Students will be required to meet registration and enrollment requirements for the semester in which they re-take the examination.

Continuous Registration Requirement- Post Comps

Following successful completion of the Graduate School comprehensive exam, students must register for at least 5 dissertation credits, EHOH 8990, each semester (excluding the summer semester). If the dissertation defense is during the summer semester, the student must register for 5 dissertation credits for that semester. A maximum of 10 dissertation credits can be taken in any semester, unless approval is received from the Assistant Dean of the Graduate School. *Only 10 of the dissertation credits taken prior to the comprehensive examination will count towards the required 30. At least 20 dissertation credits, out of the 30, must be taken after the comprehensive exam.*

> *Note: Once a student has completed 30 dissertation credits, then the student is only required to register for one dissertation credit for fall and spring semester. Summer registration is only required if the student plans to do their examination during summer semester.*

Post-Comp Committee Meetings

Students are required to meet with their Dissertation Committee at least twice each year. Students must submit meeting minutes/notes to the academic affairs specialist to be kept in their file.

Dissertation

A dissertation based upon original investigation and showing mature scholarship must be written and approved by your examining committee. Students must register for a total of 30 semester hours of doctoral dissertation credit, with no more than 10 credits taken in any one semester, unless approval is received from the Assistant Dean of the Graduate School.

The written dissertation document must be submitted at least 3 weeks prior to the final examination and formally approved by the dissertation committee before the final examination. All Graduate School guidelines and specifications must be followed as outlined on the Graduate School website:

> https://graduateschool.cuanschutz.edu/forms-resources/resources (Format Guide)

The Exam Request form is required to schedule the dissertation defense. Students must initiate the DocuSign form process *at least two weeks* prior to the defense date. The form will then be routed to the Chair, Program Director and Program Administrator to approve and sign. The Exam Request form can be found on the Graduate School website:

> https://graduateschool.cuanschutz.edu/forms-resources/resources (Exam request form)

Defense

The examination committee will conduct a final examination of the dissertation and related topics orally. The defense consists of a 40-50 minute seminar, open to the public, followed by an oral examination by the committee. All members of the committee must be present for the examination. One member, but not the chairperson or the student, may participate by interactive video. Below is a list of the possible outcomes for your defense:

> *Pass* – You receive the affirmative votes of majority of the members of your committee to pass.

Pass with conditions – The committee may feel that although you have passed the examination you should complete additional coursework on the thesis. These conditions will be specified and must be satisfied within 60 days of the defense.

Fail – If a student fails the examination, s/he may not continue in the program.

Several forms will be provided to you by the Graduate School for your Defense including the Thesis Approval Form. After you have incorporated any additional edits requested by your committee at your defense the student will need to initiate the DocuSign process for the Thesis Approval form which will be routed to all committee members to approve and sign. Then a final version of the dissertation will need to be submitted through ProQuest.   The Thesis Approval form can be found on the Graduate School's website here:
https://graduateschool.cuanschutz.edu/forms-resources/resources

Graduation
Students must apply for a diploma for their intended semester of graduation by submitting an "Apply to Graduate" form through the UCD Access student portal by the specified graduation term deadline.

Ceremonies
A campus-wide commencement ceremony is held twice a year in May and December for the CU Anschutz Medical Campus. In addition, the Graduate School and ColoradoSPH offer separate convocation ceremonies for their graduates in May. All graduates for that academic year, or the previous August or December, are invited to attend the campus-wide, Graduate School, and ColoradoSPH convocation ceremonies

Official regalia must be worn to participate in these ceremonies. Additional details will be posted on the website and emailed to students prior to the event.

Time Limit
Upon entering the Ph.D. program, students will have 3 years to pass the comprehensive exam and must complete the dissertation and public defense of the dissertation within 7 years of entering the program. Extensions for reason may be given by the appropriate approver beyond the maximum of 7 years.

Strategic Structuring of Coursework

Proposed Study Plan

Course	Department	Credits
YEAR 1		
Fall		
Biostatistical Methods	BIOS 6611	3
Climate Change and Health	EHOH 6635	3
Climate Health Elective Course		3
Ethics and Responsible Conduct of Research	CLSC 7150	1
Advanced Methods in EOH	EHOH 7631	3
Spring		
Communication Skills for Public Health Impact	EHOH 7405	3
Environmental and Occupational Epidemiology	EHOH 6617	3
Climate Health in Workforces	EHOH 7401	3
Research Methods in Secondary Data	EPID 7605	3
Preliminary Exam		
YEAR 2		
Fall		
Developing a Research Grant	EPID 7912	3
Elective 1		3
Analytic Methods in Climate Health Elective Course		3
Elective 2		3
Spring		
Elective 3		3
Elective 4		3
Dissertation Credit	EHOH 8990*	3
Teaching Assistant Requirement		
Year 3		
Fall		
Dissertation Credit	EHOH 8990*	6
Spring		
Dissertation Credit	EHOH 8990*	6
Oral Comprehensive Exam (Dissertation Proposal Defense)		
Year 4		
Fall		
Dissertation Credit	EHOH 8990*	3
Spring		
Dissertation Credit	EHOH 8990*	6
Year 5		
Fall		
Dissertation Credit	EHOH 8990*	3
Spring		
Dissertation Credit	EHOH 8990*	3
Dissertation Defense		

Electives

Students may take elective course work at the Colorado School of Public Health and in other departments and campuses of the University of Colorado. There are five areas for electives for a transdisciplinary education listed in the table below.

Course	Number	Credits	Offered
Biostatistics/Analysis			
Latent Variable Methods	BIOS 6628	3	Fall, odd years
Applied Survival and Longitudinal Analysis	BIOS 6629	3	Fall, variable years
Analysis of Longitudinal Data	BIOS 6643	3	Fall
Biostatistics Methods II	BIOS 6612	3	Spring
Advanced Data Analysis	BIOS 6623	3	Fall
Practical Data Wrangling	BIOS 6644	3	Variable term/years
Climate Policy and Equity			
Critical Policies in Global Health Engagement	EHOH 6641	3	Variable term/years
Environmental Health Policy and Practice	EHOH 6618	3	Spring
Introduction to Health Policy Analysis and Communication	HSMP 6616	1	Fall
Advanced Qualitative Research methods	CBHS 7638	3	Variable term/year
Policy Formulation and Implementation	PUAD 5310#	3	Unspecified
The Policy Process and Democracy	PUAD 5005#	3	Unspecified
Occupational Climate Health			
Occupational Safety and Ergonomics	EHOH 6636	3	Spring
Health Protection and Promotion in the Workplace	EHOH 6628	3	Fall
International Travel and Health	EHOH 6633	1	Spring
Occupational Health Psychology	EHOH 6639	3	Fall
Spectrums of Professions Worker Health	EHOH 6634	3	Fall
Environmental Exposures and Health Effects	EHOH 6619	3	Fall
Climate Health Analytics and Exposure Assessment			
Advanced GIS for Public Health Research and Practice	EHOH 7402	3	Fall
Environmental data science for public health	EHOH/EPID 6656	3	Spring
Infectious diseases, environmental contexts	EHOH 6624	3	Spring
Environmental Exposures and Health Effects	EHOH 6619	3	Fall
Risk Analysis & Decision Making	EHOH 6620	3	Fall, even years
Environmental Toxicology	EHOH 6616	3	Spring
Air Quality in Public Health	EHOH 6643	3	Variable terms/years
Water Quality in Public Health	EHOH 6627	3	Variable terms/years
Information Visualization	BIOS 7719	3	Variable terms/years

R for Data Science/Intro to Python Programming	BIOS 6640 or 6642	3	Variable terms/years
Climate-Related Disasters and Preparedness			
Global Response to Disasters and Climate Crises	EHOH 6625	3	Fall
Introduction to Public Health in Disasters	EHOH 6622	3	Summer, Fall
Disasters and Climate Crises: Practical Applications	EHOH 6626	3	Spring
Climate and Disaster Mental Health	EHOH 6642	3	Spring
Climate Change and Mental Health		1	Spring
Climate Medicine	EMED 8010#	4	Fall/Spring
Global Health and Disasters	EPID 6628	3	Fall

Core Course Descriptions

EHOH 6635- Climate Change and Health

This course will study the potential health impacts of climate change with an emphasis on understanding the state of the science, and developing skills to identify vulnerable populations, evaluate climate adaptation and mitigation measures and communicate with stakeholders.

EHOH 6617- Environmental and Occupational Epidemiology
Overall goal of course is to provide a background in epidemiology of diseases related to environmental and/or occupational exposures. Application of epidemiologic research methods to determine and prevent such diseases will be discussed.

EHOH 7401- Climate Health in Workforces

This course builds on the student's understanding of climate-related health effects by examining how work design and organization, occupational exposures, and unique worker vulnerability contribute to the risk of injury or illness. Students will also examine specific mitigation and adaptation strategies and the roles of individuals, labor organizations, businesses, academia, coalitions, consortiums, and governments in implementing these strategies.

BIOS 6611- Biostatistical Methods

This course in applied statistics covers simulation, random sampling, nonparametric inference for the two-sample location problem; ANOVA, ANCOVA, and multiple linear regression. Matrix notation, R and SAS are used.

EPID 7605- Research Methods in Secondary Data

Covers the principal methods of research design and analysis specific to secondary data use including surveillance, population and community-based data, national surveys, and medical record data. Methods explored include: identifying and working with secondary data, complex sampling design and weighting, triangulation, handling missing data, non-random allocation/propensity score, and power/sample size.

EHOH 7631- Advanced Methods in Environmental and Occupational Health

This course will focus on five areas of advanced methodology for EOH: exposure assessment, toxicology, epidemiology, built environment, and worker health. Methods covered include survey design, environmental sampling, risk assessment, biomarkers, and on issues associated with analysis of secondary datasets.

EPID 7912- Developing a Research Grant
Students prepare high quality, successful, research grant applications through development of cogent research questions & appropriate study designs. Students familiarize themselves with grant writing and review process and improve critical thinking skills and quality of scientific writing.

EHOH 7405- Advanced Communication Skills for Public Health Impact
This doctoral level course offers an experiential approach to becoming more effective communicators and leaders in public health. Grounded in theory, it focuses on advanced verbal and written skill development to prepare students to tackle through scenarios in which they will be called upon to state the case for public health, especially focusing on non-public health/non-scientific audiences. The course will emphasize advanced communication skills needed to produce clear and effective messages through the lens of public health.

CLSC 7151- Research Ethics
This course provides an overview of the field of ethics in clinical research and is designed for non-clinical science degree students and investigators who will be conducting research involving human subjects. Topics include historical background, current regulations, and IRB requirements.

PUBH 6655 – Public Health Ethics
This course provides a short introduction to public health ethics. After addressing several fundamental concepts and approach to the field, the remainder of the course focuses on ethical problems that arise out of the three core functions of public health. This framing ensures broad coverage in ethical problems across public health practice and policy.

EHOH 8990- Dissertation Credits

Suggested Electives (Topic-Based Courses)

BIOS 6628- Latent Variable Methods
Covers statistical approaches commonly used in behavioral sciences research, including reliability analysis, exploratory and confirmatory factor analysis, path analysis, structural equation modeling, and advance modeling procedures. Students will analyze data using statistical software, interpret results, and write summaries of findings.

BIOS 6629- Applied Survival and Longitudinal Analysis
This course will focus on the application of regression modeling to time-to-event and longitudinal data. Descriptive and inferential methods will be developed for each type of data with an emphasis on graphical inspection at all stages of analysis.
BIOS 6643- Analysis of Longitudinal Data

BIOS 6612- Biostatistics Methods II
This is a continuation of BIOS 6611, covering univariate linear modeling and emphasizing multiple regression and analysis of variance. Logistic regression and methods for correlated data are also covered. Matrix algebra and the statistical package SAS will be used.

BIOS 6623- Advanced Data Analysis
This course teaches the students how to be effective collaborators. Students will learn to modify project hypotheses to be statistical hypotheses. The students will identify and perform the appropriate data analyses and communicate their analyses both verbally and in writing.

BIOS 6644- Practical Data Wrangling
Data Wrangling is the process of getting data into a format which is useful for science. This course will provide students with a diverse set of tools, strategies and practices which can dramatically reduce the pain and wasted time often associated with wrangling and how to leverage the innumerable free resources available to everyone.

EHOH 6641- Critical Policies in Global Health Engagement
This course will provide a foundation of knowledge in the critical policies which govern global health engagement. Providing insights from experienced professionals, and using key case studies to highlight each policy, students will emerge with a pragmatic understanding of how these policies function during times of acute crisis.

EHOH 6618- Environmental Health Policy and Practice
Examine the environmental policy-making and planning and regulatory and non-regulatory approaches to controlling environmental hazards. A wide variety of topics will be introduced with cross-disciplinary perspectives ranging from water and air to the built environment and climate change.

HSMP 6616-Introduction to Health Policy Analysis and Communication
This course explores the methods used in health policy and management research. Students learn to read and interpret research, with an emphasis on understanding the strengths and weaknesses of different analytical approaches to become an effective consumer of the literature.

CBHS 6638- Advanced Qualitative Research methods
This course provides advanced graduate students in public health instruction in advanced qualitative paradigms and methods and training in analyzing, interpreting and writing qualitative research.

EHOH 6636- Occupational Safety and Ergonomics
This course will form a foundation for understanding of workplace factors important in the prevention of injuries. Students will recognize safety and ergonomic hazards that may lead to injury as well as learn strategies to abate these hazards. Students will apply knowledge gained during the course during student-led journal clubs.

EHOH 6628- Health Protection and Promotion in the Workplace
Course introduces the principles of Total Worker Health (TWH), an approach to address improving the health, safety, and well-being of workers. TWH is a transdisciplinary field in public health practice and research that spans the themes of occupational safety and health, worksite wellness, management/leadership, health behavior, organizational health psychology, economics,

communication, dissemination and implementation science, and evaluation. Students have the opportunity to critically consider the research basis for TWH and develop applied skills.

EHOH 6633- International Travel and Health
This course is designed to help students understand and respond to health and safety risks that accompany international travel. It emphasizes using available resources to create recommendations based on both travel itinerary and specific activities. Some medical subjects are included but medical jargon will be avoided.

EHOH 6639- Occupational Health Psychology
This course seeks to advance the understanding of both organizational and individual factors that influence total worker health. The course includes an introduction to organizational psychology, seminal and current research and best practices regarding key topics and issues in occupational health psychology.

EHOH 6634- Spectrums of Professions Worker Health
Introduction to multiple occupational health professions including industrial hygiene, ergonomics, occupational health psychology, occupational safety, health physics, occupational medicine, epidemiology, health promotion and wellness, program evaluation and risk management. Practice issues, current research and methods are covered.

EHOH 6619- Environmental Exposures and Health Effects
This course integrates earth sciences, exposure sciences and biological sciences to understand conditions and circumstances of recent env/occ exposure events, the methods to assess exposures; and related health impacts. Case studies and laboratory exercises are used to guide instruction.

EHOH 6644- Advanced GIS for Public Health Research and Practice
This course expands on the fundamentals of data management and basic analysis of spatial data so that the student can analyze space/time data. Spatial analysis using ESRI's ArcGIS software, concepts of geostatistics, using R functions and programming to model space/time random variables are covered.

EHOH/EPID 6656- Environmental data science for public health
Introduction to acquisition, organization, and analysis of geospatial data relevant to public health. Data sources covered will include ground-based air quality and weather sensors, remote sensing (satellite) products, climate and weather model output and data on water quality, traffic and mobility, and housing and sociodemographics.

EHOH 6624- Infectious diseases, environmental contexts
Students will study the impact of environmental factors, from sanitation to climate, on infectious diseases. Topics include infectious disease emergence, water- and vector-borne diseases, zoonoses and analytic approaches for evaluating environmental determinants of infectious disease.

EHOH 6619- Environmental Exposures and Health Effects
This course integrates earth sciences, exposure sciences and biological sciences to understand conditions and circumstances of recent env/occ exposure events, the methods to assess exposures, and related health impacts. Case studies and laboratory exercises are used to guide instruction.

EHOH 6620- Risk Assessment and Decision Making

A general survey of risk analysis and risk-based decision making covering the basic components of risk assessment, communication, and management and how they are applied in various fields.

EHOH 6616 – Toxic Effects of Environmental and Workplace Agents

Presents an overview of information needed to assess the relationship between the environment, workplace and health. Topics include facets of industrial hygiene, air and water pollution, radiation monitoring, toxicology studies, clinical occupational medicine and biologic monitoring.

BIOS 7719- Information Visualization

Information visualization studies interactive visualization techniques for analyzing abstract data. This course introduces design, development, and validation approaches with applications in various biological and biomedical domains.

BIOS 6640 or 6642- R for Data Science/Intro to Python Programming

BIOS 6640-Statistical programming in R, including data management, subscripting, loops, functions, packages, graphics. Concepts and methods for reproducible research will be covered as well as computationally intensive statistical methods. These methods are used to analyze data and present results.
BIOS 6642- This first course in programming using Python covers basic concepts such as variables, data types, iteration, flow of control, input/output, and functions and advanced concepts such as object oriented programming. Statistics related examples, homework and projects may be used.

EHOH 6625- Global Response to Disasters and Climate Crises

This course will focus on broad foundational and public health-specific perspectives within international disasters and humanitarian crises including earthquakes, floods, pandemics, civil conflict and more. This includes examination of climate change driven disaster events and climate adaptation and mitigation strategies.

EHOH 6622- Introduction to Public Health in Disasters

This introductory course focuses on the public health role in community disaster preparedness. It explores the relationship between 10 essential public health services and how these services support the ability to prevent, respond, and rapidly recover from public health emergencies.

EHOH 6626- Disasters and Climate Crises: Practical Applications

This course advances the skill set for emergency public health professionals who may participate in planning and implementing response activities in climate related and other types of disasters and the challenges of collaborating, coordinating and interfacing with internal and external emergency management response partners.

EHOH 6642- Climate and Disaster Mental Health

Contemporary issues in climate and disaster mental health with an emphasis on natural hazards, mass violence, disease outbreaks, civil conflict and forced displacement with a broader understanding of the pathways between mental health and climate change.

Climate Change and Mental Health

Contemporary issues in climate and disaster mental health with an emphasis on natural hazards, mass violence, disease outbreaks, civil conflict and forced displacement with a broader understanding of the pathways between mental health and climate change.

CBHS 6638- Advanced Qualitative Research methods

This course provides advanced graduate students in public health instruction in advanced qualitative paradigms and methods and training in analyzing, interpreting, and writing qualitative research.

EPID 6628- Global Health and Disasters

The interactive training incorporates readings, lectures, small group problem based learning exercises, journal club discussions, technical skill sessions and a disaster simulation exercise. 2 week M-F training followed by 4 journal club sessions.

Environmental and Occupational Health Core Program Faculty Policy

To serve as the primary mentor for an EHOH PhD thesis, a faculty member must have a Regular Appointment in the Graduate School. Regular appointment requires that the faculty be a tenure-track Assistant, Associate or Full Professor with a PhD in EHOH or a PhD in a closely related field accompanied by a body of work demonstrative of expertise in EHOH.

This quick reference table describes qualification of members of PhD thesis committee: https://www.ucdenver.edu/docs/librariesprovider138/denver-anschutz-graduate-school/resources/quick-reference-table-final-2-7-2024.pdf

Below is a table of the current faculty with a Regular Appointment in the Graduate School to mentor PhD Climate and Health students.

Appointment	Title	Climate Expertise
Environmental and Occupational Health		
Katherine James	Associate Professor Tenure Track	Climate and environmental exposure assessment, community-based research and climate adaptations, occupational and pediatric cohorts
Elizabeth Carlton	Associate Professor Tenure Track	Infectious disease occurrence and climate modeling, global climate health
Katherine Dickinson	Assistant Professor Tenure Track	Climate policy, environmental and climate justice, impact evaluation
Lee Newman	Distinguished Professor Tenure Track	Occupational Climate health and adaptation, Climate policy and regulation, Education and training in climate health
Natalie Schwatka	Assistant Professor Tenure Track	Occupational adaptations to climate change
John Adgate	Professor Tenure Track	Climate and environmental exposure assessment
Alison Bauer	Associate Professor Tenure Track	Climate toxicology
William Allshouse	Instructor	GIS and spatial analysis of climate data
Miranda Dally	Research Instructor	Occupational climate health
Lyndsay Krisher	Instructor	Occupational climate health
Lisa McKenzie	Clinical Assistant Professor	Climate and environmental exposure assessment
Liliana Tenney	Assistant Professor	Occupational climate adaptation and education
Biostatistics and Informatics		
Nichole Carlson	Professor	Director for Center for Innovative Design
Debashis Ghosh	Professor	Disease modeling, climate modeling
Katerina Kechris	Professor	Geospatial statistics, AI, machine learning
Community and Behavioral Health		
Ashley Brooks-Russell	Associate Professor	Injury and violence, climate
Megan Cherewick	Assistant Professor	Climate and mental health
Cerise Hunt	Clinical Assistant Professor	Diversity and equity in climate adaptation and impacts
Jenn Leiferman	Professor	CBPR and adaptation science
Jini Puma	Clinical Associate Professor	CBPR and adaptation science
Epidemiology		
James Crooks	Clinical Associate Professor	Climate modeling
Thomas Jaenisch	Associate Professor	Climate health
Madiha Abdel-Maksoud	Clinical Associate Professor	Global health

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