

Climate Change Area of Emphasis Electives

These courses **can** be completed in addition to the minimum requirements for the [PhD](#), [MS Thesis](#), [MS Applied](#) or [MPH](#) in Environmental Health Sciences. Areas of Emphasis are not transcribed.

Students will attain these competencies by completing the electives below:

- Describe the drivers of anthropogenic climate change and discuss the ways in which climate, including weather, climate variability, and climate change, affect population health.
- Apply epidemiologic principles to describe the health impacts of extreme weather, climate variability, and climate change, and the distribution of those impacts.
- Describe principles of climate justice and health equity, how climate change can worsen health inequities at community, regional, national, and global levels, and how mitigation and adaptation policies and programs can improve population health and health equity.
- Describe relevant frameworks, processes, and mechanisms for projecting and assessing climate change health and other impacts at various scales, determining mitigation needs and priorities, supporting adaptation, and promoting resilience to protect population health and advance health equity.
- Select and implement appropriate methods for conducting climate and health risk assessments at community, regional, and national levels.
- Apply appropriate methods to identify potential adaptation strategies and interventions; determine their risk reduction potential; describe barriers, constraints, and other factors affecting successful implementation of effective strategies; and develop implementation and evaluation plans for climate and health adaptation strategies.
- Discuss the role of policies in advancing climate change mitigation, adaptation, and resilience to improve population health and promote health equity.
- Select communication strategies for advancing climate and health resilience with different audiences, sectors, and contexts.

See DEOHS Courses Page for Recent Syllabi <https://deohs.washington.edu/course-information>

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<i>Complete these courses:</i>	
ENV H 518 Understanding and Managing the Health Risks of Climate Change (Winter)	3
ENV H 579 Climate Change and Public Health Practice (Spring)	3
<i>Choose a minimum of 12 credits from the courses below:</i>	
ENV H 506 Disasters and Public Health (Autumn)	3
ENV H 538 Public Health and the Built Environment (Winter)	2
ENV H 539 One Health: Human and Animal Health in a Changing Environment (Spring)	3
ENV H 547 Environmental Change and Infectious Disease (Spring)	3
ENV H 548 Community Air Pollution (Winter)	3
ENV H 565 Geographic Information Systems (GIS) in Public Health (Autumn)	3
ENV H 570 Environmental and Occupational Epidemiology (Spring)	3
ENV H 575 Environmental Justice and Population Health (Spring)	3
ENV H 584 Environmental Health Policy and Practice	4

* This list does not show courses which may be required by your funding from a training grant, such as the [Northwest Center for Occupational Health and Safety \(NWCOSHS\) Education and Research Center \(ERC\)](#). Please confirm which courses are required for your funding with the Training Grant Manager.