

Updated April 15, 2025

Graduate Certificate in Climate Change and Health (GCeCCH) Elective Course List					
Course #	Course Name	Quarter	Credits	Offered Jointly	Pre-requisite(s)
Atmospheric and Climate Science					
ATMOS 586	Current Research in Climate Change	SP	2	ESS 586, OCEAN 586	
ATMOS 585	Climate Impacts On The Pacific Northwest	SP	4	ESS 585, ENVIR 585, SMEA 585	
ATMOS 588	The Global Carbon Cycle and Climate	W	3	OCEAN 588, ESS 588	
ATMOS 593	Climate Science Seminar	W	1	ESS 593, OCEAN 593	
School Marine and Environmental Affairs					
SMEA 500	Marine and Environmental Affairs Theory and Practice	A	3		
SMEA 521	Climate Change Governance	A	3		
Public Policy					
PUBPOL 513	Public Policy Analysis	SP	4		Recommended Prep: PUBPOL 516, PUBPOL 517
PUBPOL 531	Development Management And Governance	A	4		
PUBPOL 593	Climate Change And Energy Policy	A	4		
Infrastructure Planning And Management					
IPM 502	Introduction To Infrastructure Systems	A	3	URBAN 581	Contact program coordinator for enrollment
IPM 505	Climate Change And Infrastructure	SP	3	URBAN 563	Contact program coordinator for enrollment

IPM 508	Risk Assessment And Business Continuity	A	3	URBAN 583	Contact program coordinator for enrollment
IPM 510	Water Systems	A, W	3	URBAN 584	Contact program coordinator for enrollment
IPM 511	Food Systems	SU	3	URBAN 572	Contact program coordinator for enrollment
Environmental Health					
ENV H 501	Foundations Of Environmental And Occupational Health	A	4		
ENV H 518	Understanding And Managing The Health Risks of Climate Change	W	3	G H 518	
ENV H 539	One Health: Human And Animal Health In A Changing Environment	W	3	G H 548	
ENV H 541	Food Protection	A	3		
ENV H 544	Antimicrobial Resistance Impact On The Environment And Public Health	A	4		
ENV H 547	Environmental Change And Infectious Disease	SP	3		
ENV H 548	Community Air Pollution	SP	3		
ENV H 577	Risk Assessment For Environmental Health Hazards	A	4	CEWA 560, PUBPOL 589	
ENV H 579	Climate Change And Public Health Practice	SP	3	G H 520	
Global Health					

GH 501	Core Topics In Global Health	A	1		
					Recommended Prep: Prior coursework in qualitative research methods including study designs and data collection procedures
GH 539	Analyzing Qualitative Data	W	3		
GH 541	Fundamentals Of Implementation Science In Global Health	SP	4, 5	HMS 541	
GH 544	Maternal And Child Health In Low And Middle Income Countries	W	3	HSERV 544	
Health Services					
HSERV 514	Social Determinants Of Population Health And Health Disparities	SP	3	EPI 547	
HSERV 548	Research Methods For Social And Contextual Determinants Of Health	W	3	EPI 548	One of the following: (1) EPI 511 or EPI 512; and BOST 511 or BOST 517; (2) PHI 512; (3) permission of instructor
Geography					
GEOG 514	GIS Problem Solving	SU	5		
GEOG 561	Urban Geographic Information Systems	W	5		Minimum grade of 2.0 in GEOG 560 or permission of instructor
Engineering					
CET 565	Climate Change And Energy	W	5		Graduate standing
CET 566	Environmental Analysis And Assessment	SP	5		

CET 567	Health And Sustainable Transportation	A	5
CET 569	Policy Development, Finance, And Sustainable Transporation	SP	5
CET 583	Transportation Energy And Sustainability	SP	3
CESI 588	Energy Infastrucature And The Environment	A	3
School of Law			
LAW E 597	Global Warming And Justice Seminar	W, SP	4
LAW E 598	Climate Change Law	SP	3, 4
LAW B 564	Women, Poverty, And Natural Resource Management	A	2, 3
Social Work			
SOC W 527	Globalization And Translational Practice	SP	3
School of Environment and Forest Resources			
SEFS 565	Climate Change Vulnerability, Adaption, and Societal Transformation	W	3

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Course #	Course Name	Quarter	Credits	Offered Jointly	Pre-requisite(s)
ATMOS 559	Climate Modeling		3	ESS 559, OCEAN 558	Either ESS 587/ATMOS 587/ OCEAN 587, ATMOS 504, or ATMOS 505/AMATH 505/ OCEAN 511
PUBPOL 582	Communicating Climate Change		4		
IPM 514	Transportation Systems		3		
ENV H 538	Public Health And The Built Environment		2	URBAN 538	
G H 555	Nutrition in Developing Countries		3	NUTR 555	
G H 534	Statistical Methods For Spatial Epidemiology		3	BIOST 555, EPI 555	Either BIOST 513, BIOST 518, BIOST 522, SOC 506/CS&SS 507, or STAT 512
GEOG 564	GIS And Decision Support		5		GEOG 560 or equivalent
ARCH 564	Environmental Design And Well-Being		3		