

Graduate Certificate in Climate Change and Health (GCeCCH) Elective Course List

Course #	Qtr	Credits	Cross Listing	Pre-requisite
Atmospheric Science				
ATM S 586 Current Research in Climate Change	W	2, max 20	ESS 586, OCEAN 586	
ATM S 559 Climate Modeling	Sp	3	ESS 559, OCEAN 558	ATM S 587/OCEAN 587/ESS 587, ATM S 504 or ATM S 505
ATM S 585 Climate Impacts on the Pacific Northwest	Sp	4	ENVIR 585, ESS 585, SMEA 585	
ATM S 588 The Global Carbon Cycle and Climate	W	3	OCEAN 588, ESS 588	
ATM S 593 Climate Science Seminar	A, W	1	OCEAN 593, ESS 593	
Marine and Environmental Affairs				
SMEA 500 Introduction to the Human Dimensions of Global Change	A	3		
SMEA 521 Climate Change Governance	A	3		
Public Affairs				
PUBPOL 513 Public Policy Analysis	Sp	4		Permission of instructor
PUBPOL 531 Development Management and Governance	A	4		
PUBPOL 582 Communicating Climate Change	A	4		
PUBPOL 593 Climate Change and Energy Policy	A	4		
College of the Built Environment/Urban Design/Infrastructure Planning				
IPM 502 Introduction to Infrastructure Systems	A	3		Contact program coordinator for enrollment.
IPM 505 Climate Change and Infrastructure	Sp	3	URBDP 598	Contact program coordinator for enrollment.
IPM 511 Food Systems	Su	3		Contact program coordinator for enrollment.
IPM 508 Risk Assessment and Business Continuity	A	3	URBDP 598	Contact program coordinator for enrollment.
IPM 510 Water Systems	A	3	URBDP 598	Contact program coordinator for enrollment.
IPM 514 Transportation Systems	W	3		
URBDP 598 Special Topics	Sp, Su	Multiple, 1-6	check MyPlan for full list.	Permission of instructor.

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Environmental and Occupational Health				
ENV H 501 Foundations of Environmental and Occupational Health	A	4		
ENV H 538 Public Health and the Built Environment	Wi	2	URBDP 538	
ENV H 539 One Health: Human and Animal Health in a Changing Environment	Sp	3		
ENV H 541 Ecology of Environmentally Transmitted Microbial Hazards	A	3		
ENV H 544 Antibiotic Resistant Bacteria/Genes Impact on the Environment and Public Health	A	4		EPI 320 or BIOL 220 or MICROM 301
ENV H 545 Water, Wastewater, and Health	A	4		
ENV H 547 Environmental Change and Infectious Disease	Sp	3		
ENV H 548 Community Air Pollution	Wi	3		SPH graduate student or permission of instructor
ENV H 577 Risk Assessment for Environmental Health Hazards	A	4	CEWA 560, PUBPOL 589	
Global Health				
G H 501 Core Topics in Global Health	A	1	G H 401	
G H 555 Nutrition in Developing Countries	Sp, odd years	3	NUTR 555	
G H 516 Health and Human Rights	Sp	3	LAW H 540	
G H 516 Health and Human Rights	Sp	3		
G H 514 Global Population Health	Sp	2-3		
G H 534 Statistical Methods for Spatial Epidemiology	W, even years	3	BIOST 555, EPI 555	
G H 539 Analyzing Qualitative Data	W	3		
G H 541 Fundamentals of Implementation Science in Global Health	Sp	4-5	HMS 541	
G H 544 Maternal and Child Health in Low and Middle Income Countries	W	3	HSERV 444	

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Health Services				
HSERV 514 Social Determinants of Population Health and Health Disparities		3	EPI 547	HSERV 511 or permission of instructor
HSERV 548 Research Methods for Social and Contextual Determinants of Health	W	3	EPI 548	EPI 511 or EPI 512/513; and BIOST 511/512/513 or BIOST 517/518
Geography				
GEOG 514 GIS Problem Solving	S	5		
GEOG 561 Urban Geographic Information Systems	W	5		Minimum 2.0 in GEOG 560 or permission of instructor
GEOG 564 GIS and Decision Support		5	**can consider SEFS 520 for similar course	GEOG 560 or equivalent
Engineering				
CET 565 Climate Change and Energy	W	5		
CET 566 Environmental Analysis and Assessment	Sp	5		
CET 567 Health and Sustainable Transportation	A	5		
CET 569 Policy Development, Finance, and Sustainable Transportation	Sp	5		
CESI 588 Energy Infrastructure 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		
Architecture				
ARCH 564 Environmental Design and Well-Being	A	3		Non-CBE majors email professor for add-code.
Social Work				
SOC W 527 Global and Local Inequalities: Critical Analyses of the Processes and Policies of Globalization	W	3		