



**VIRGINIA CLIMATE
AND HEALTH EDUCATION**
COLLABORATIVE

Student Clinicians for Climate Action at UVA

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Our Organization

- Student Clinicians for Climate Action
 - Chapter of Medical Students for a Sustainable Future: *a network of medical students in the United States who recognize climate change as an urgent threat to health and social justice. Motivated to protect our future patients and the communities we love, we catalyze action to prevent and address the health harms of climate change.*
 - Mulholland club → UVA CIO (Contracted Independent Organization)
- 39 general members
 - 11 members working on PHRC
 - 2 nursing students

Implemented and Ongoing Initiatives

- #trashtag challenge
- SOM and SON conference: Protecting Human Health in a Changing Climate
- UVA Center for Global Health Equity Fireside Chat
- 3 students on the UVA Health System Sustainability Committee
- 1 student on UVA Student Council Sustainability Committee
- Planetary Health Report Card completion
- Meeting between SON students, SOM students, and original creators of PHRC



UVA Planetary Health Report Card Results

Overall	C
Planetary Health Curriculum	D-
Interdisciplinary Research in Health and the Environment	B-
Community Outreach and Advocacy	D+
Support for Student-Led Initiatives	B
Sustainability	B

UVA School of Medicine Current Curriculum

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53		
PHASE 1 Systems (57.5) EPIC/Orientations/ Cells to Society (2)		FOM (5) Foundations of Medicine					Fall Break	MIS (6) Microbes and the Immune System					CBC (5) Cells, Blood, Cancers		Thanksgiving		Winter Break		MSI (6) Musculoskeletal Integument					GI (6) Gastrointestinal			Spring Break		MBB (8) Mind, Brain, Behavior					Summer Opportunities & Break								V C O M P U T E R S												
		(FCM) Foundations of Clinical Medicine-1																																																				
		(SIM) Social Issues in Medicine																																																				
		(PSP) Patient Student Partnership																																																				

54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
CV (4.5) Cardiovascular				Pulm (3) Pulmonary			Fall Break	Renal (3)		CVPulm/Renal (1)	Endo Repro (4) Endocrine Reproductive		Thanksgiving	C2C (2) Classroom to clinics	Winter Break	Transitions Course (2)	*PHASE 2 Clerkships										Vacation	Clerkships										Vacation													
(FCM) Foundations of Clinical Medicine-1																										(FCM) Foundations of Clinical Medicine-2																									
(PSP) Patient Student Partnership																																																			

30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Clerkships												Vacation	Clerkships								CPX	*PHASE 3 Electives (56), Interview; Flexible (11) *Required – Internship Prep, DxRx, ICU, Emergency Medicine, Advanced Clinical Elective, Further recommendations per career choice																													
(FCM) Foundations of Clinical Medicine-2																																																			
(PSP) Patient Student Partnership																																																			

32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72											
Required – Internship Prep, DxRx, ICU, Emergency Medicine, Advanced Clinical Elective, Further recommendations per career choice																	Thanksgiving	Winter Break		Intern Readiness										Graduation Activities																					
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Planetary Health Curriculum: Topics **NOT** Covered

- Sustainable healthcare or planetary health elective courses
- Changing patterns of infectious diseases
- Mental health effects of climate change
- Ecosystem health/food and water security
- Disproportionate burden of climate change and toxins on marginalized populations
- Environmental threats to local community
- Climate health challenges impacting Indigenous communities
- Environmental and health co-benefits of a plant-based diet
- How to have conversations with patients about health effects of climate change
- How to take an environmental history or exposure history

Planetary Health Curriculum: Topics Covered

- Optional lecture by Dr. Enfield in Pulmonary System block: Climate Change and Pulmonary Disease
 - Impacts of extreme heat exposure
 - Impacts of extreme weather events
 - Cardiorespiratory health effects of climate change
- Lecture in Reproductive block: Birth Defects with Prenatal Diagnostic Testing
 - Reproductive health effects of industry-related toxins
- DxRx and High Value Care courses: efficient use of healthcare
 - Waste generated by the healthcare system

Climate Change and Pulmonary Disease: Lecture LO's

1. Discuss how the evolving nature of climate change and pollution impact human health. Specifically, discuss the impact on human respiratory health.
2. Describe how climate change and pollution influence the utilization of health care.
3. Describe how global warming impacts and influences the role of health care systems.
4. Explain the contributions of health care agencies on climate change.
5. Describe the Acclimatization Thermal Strain Index and its impact on respiratory illness.

Top Priorities

1. Create and incorporate at least 1 learning objective in each preclinical block
2. Organize a Social Issues in Medicine course - possibly community-facing
3. Create a website
 - a. Documentation/sustainability of organization
 - b. Publicity
 - c. Collaboration
 - d. Education

Other Goals

- Including climate health topics in clinical vignettes and clinical skills course
- Increased mentorship and collaboration across UVA
 - Center for Global Health Equity
 - Environmental Resilience Institute
 - UVA Sustainability
- Research
- Climate smart healthcare
- Community partnership and engagement
- Environmental justice

Questions?