

TENTATIVE 2025 SCHEDULE

Community-Engaged Environmental Engineering Summer Institute:

Week 1 Schedule

		Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	9-9:30	Sign in		Climate change boundary, part 1		Nitrogen and phosphorus planetary boundary
	9:30-10	Course overview. Introduction to planetary boundaries concept	Water planetary boundary		Drive in vans to field sampling	Nitrogen footprint calculation activity
	10-10:30		Introduction to water quality and fecal indicator bacteria	Dairy industry and community health impacts		
	10:30-11	Introduction to industrial food animal production				Pig industry and community health impacts
	11-11:30					
	11:30-12		Environmental antibiotic resistance	Lynn Henning Guest Lecture		
	12-12:30	Demo of EJ Screen				
	12:30-1	Lunch	Lunch	Lunch	Sampling	Lunch
	1-1:30	Set up Seasnet account. Look up case studies of communities facing health impacts due to factory farms			SRAP GIS portal of field area and area of interest for project	Counting IDEXX and working with data
	1:30-2		EJ Screen and CDC Public Health Tracker. GIS activities.			
	2-2:30					
	2:30-3	Tour of lab. Pipetting practice. Field probes and turbidity kits	Sampling at Botanical garden and practicing field probes and <i>E. coli</i> with antibiotics added		Preparation for field trip	Drive back to lab and process samples. This evening, we may need until 8 PM.
	3-3:30					
	3:30-4					

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Week 2 Schedule

		Monday	Tuesday	Wednesday	Thursday	Friday
Week 2	9-9:30	Land use boundary	Farm Sanctuary Field Trip	Springmann and EAT Lancet	Group Presentations and feedback	July 4 Holiday
	9:30-10					
	10-10:30					
	10:30-11	Biodiversity loss		Solutions Workshop	Group Presentations and feedback	
	11-11:30					
	11:30-12					
	12-12:30	Lunch		Lunch	Lunch	
	12:30-1					
	1-1:30					
	1:30-2					
	2-2:30					
	2:30-3	ArcGIS for project. Draft StoryMap		Work on StoryMap maps.	Panel on college life	
	3-3:30					
	3:30-4					