

Rollins School of Public Health

Overview of Water, Sanitation, and Hygiene (WASH) Coursework

BIOLOGY							
Courses	Term	Credits	Suitable for Years		Prerequisite	Overview	Instructor
			Y1	Y2			
EHS 750: Environmental Determinants of Infectious Diseases	Spring	3	Yes	Yes	None	This course covers the many different ways that the environment influences the transmission and spread of infectious diseases in humans. We take a broad definition of "the environment", considering air, water, soil, animal, and human influences, with case studies on each of these environmental factors. The course will also cover a variety of methods used in the study of infectious, including epidemiology, mathematical modeling, risk analysis, social science, ecology, and molecular biology. The theme of this course is "Think like a pathogen"—students will learn to think from the perspective of a pathogen trying to maximize its fitness over both short- and long-term time scales	TBD
GH 564: International Infectious Disease	Spring	2	GH ONLY	GH Only	None	Offers an epidemiological, clinical and public health perspective of selected acute infectious diseases of current national and international interest. Emphasizes the agent, methods of transmission, the host, role of surveillance, and methods of control and prevention. This course may be used for elective OR biology credit.	Bednarczyk
GH 516: Global Perspectives in Parasitic Diseases	Spring	3	Yes	Yes	EPI530 may be taken concurrently	Focuses on prevalent parasitic infections seen in this country as well as those seen primarily abroad. Topics include parasite lifecycles, immunology, diagnostic methods, clinical manifestations, treatment and follow up, complications, epidemiology, prevention and control, methods of transmission, and future research priorities	Paulina Rebolledo Esteinou
GH 517/EPI 517: Case Studies in Infectious Disease Epidemiology	Fall	2			EPI 504 or EPI 530 cross listed with EPI 517	Provides training in the investigation, control, and prevention of infectious diseases by both descriptive and analytic epidemiological techniques. Students work with infectious diseases of national and international interest. This course may be used for elective OR biology credit.	Spaulding/ Fairley