

Frontiers in Medicine

FIM 2205: Emerging Infectious Diseases and the Microbiome

This course will explore the rapidly changing world of microbes. Whether on us, in us, or around us, microbes play an essential role in both health and disease. Rapidly changing trends in society (population growth, travel, climate change, agriculture) all impact how pathogens emerge and cause disease. This course will explore the frontiers of therapeutics and diagnostics for infectious diseases. We will also delve into advances in microbiome science and how the communities of organisms that reside in or on us impact our (and others) health. The course will mix hands on experiences (you will get to sample a microbiome and analyze it), didactics, case-based exercises (including a real world outbreak simulation) and out of class projects to give a sense of where this field is going in the not too distant future.

Schedule/format: 9 to 1(or 2) M-Thurs. Format: lecture, laboratory, case-based discussion, table-top outbreak simulation