This is a lecture course on the changing epidemiological environment, with particular attention to the ways in which anthropogenic environmental changes are altering the ecology of infectious disease transmission, thereby promoting their re-emergence as a public health threat. Lectures are organized by disease case studies and we will weave five major themes in disease emergence throughout: (1) Climate Change, (2) Migration/Mobility (both human and nonhuman), (3) Habitat/Biodiversity Destruction, (4) Social and Economic Inequality, and (5) Changing Selective Landscapes and Accelerated Evolution. The diseases affected by these environmental changes include SARS-CoV-1/2, Ebola, HIV, Malaria, Dengue Fever, Chagas Disease, Lyme, Influenza, Cholera, Plague, BSE/vCJD, and West Nile Virus. Because we are teaching in the middle of a pandemic of a recently-emerged infectious disease, we will also have regular topical COVID-19 updates throughout the quarter.