

GEOG 52-001: Political Ecology of Health and Disease

Gen Eds: SS, CI, GL

Fall 2022

Instructor: Michael Emch

Where: 204 Carolina Hall

When: T TH, 2:00-3:15 PM

This course examines the ecology of infectious diseases including environmental and anthropogenic drivers of those diseases. During the semester we will focus on several case studies of diseases including COVID-19, malaria, cholera, and HIV/AIDS. The biophysical and evolutionary drivers of diseases will be examined as well as the political, economic, social, and environmental systems that shape health and disease across spatial and temporal scales. A political ecological framework is used to examine such topics as how political forces and economic interests helped shape the HIV/AIDS and malaria pandemics in Africa and beyond. We will also examine how emerging infectious diseases such as COVID-19 diffuse through populations and how public health efforts and geographical and epidemiological modelling and analyses can be used to predict and limit their spread.

