

Fall 2021

GEOG 222/001 Health and Medical Geography

Dr. Emch

TR / 12:30-1:45pm in CH 220

Why are new diseases emerging and old finished ones re-emerging? Why do more people die in China from cancer of the esophagus and naso-pharynx and stomach and in the U.S. from lung and breast and prostate cancer? Where is the best place to locate a new dialysis clinic when fewer older people will live in their former gathering places? How will GIS transform surveillance, research on etiology and communication with the public? Health and Medical Geography is a survey course of all the aspects of the subject of public health geography: ecology, distribution and spatial analysis, locational analysis, diffusion, social and political ecology, health service delivery and health promotion. The course proceeds from a definition of health as adaptability and a continuous property through a holistic approach from the cultural ecology of health and disease, including contagious infectious disease, vectored infectious disease, the political ecology of non-communicable diseases, ecology of emerging diseases, and other health consequences of rapid urbanization, mega cities, technological change, and economic and epidemic transformations in mobility and inter-connectiveness.

