



COLUMBIA

VAGELOS COLLEGE OF
PHYSICIANS & SURGEONS

PROGRAM FOR EDUCATION IN
GLOBAL AND POPULATION HEALTH

Introduction to Global and Population Health (GLHL 7206) Fall 2022 Syllabus

Course Director: Kim Hekimian, PhD (kh2551@cumc.columbia.edu)

Course Lecturers: Varied – see schedule

Location: Sept 12, Dec 5, and Dec 12 in-person at VEC 401

All other sessions via Zoom link (see Canvas)
VEC 405 available for students during live Zoom sessions

Dates: Mondays, September 12 - December 12
Asynchronous classes Sept 19 and Oct 31
No class Oct 10 or Nov 21

Time: 6:00 – 7:30 PM

Program in Education in Global and Population Health, Academic Series:

We seek to educate our students in global health governance; in global health and disease surveillance and epidemiology; in global environmental issues that affect health such as air and water quality and the threats to them; in the roles that transnational corporations such as tobacco companies, food companies and the pharmaceutical industry play that are harmful or helpful to health; in the impact of conflict and migration on health; and in the design and effectiveness of health-care systems around the world. Last but not least, we seek to provide our students with the much-needed cultural fluency to work in a global setting.

GLHL Course Overview:

The fall semester introduces you to global health issues including governance, burden of disease, determinants of disease, policy making in global health and how our faculty at CUIMC developed careers in global health. Topics will be covered via course lectures, group discussions and required readings.

Goals & Objectives:

At the conclusion of the spring students will be able to:

- Describe the term “Burden of Disease” and how it applies to various global health outcomes.
- Explain two key leading risk factors that account for much of the global burden of disease.
- Identify literature to further explore at least two areas in global health covered in class.

Required and Recommended Readings:

- See readings in Modules on Canvas

Introduction to Global and Population Health, Dates, Topics, Lecturers:

Date	Lecture topics covered	Lecturer(s)
SETTING THE STAGE:		
Monday September 12 (In-Person)	Introducing the Course and Key Concepts Historical Context, Equity and Health Rights	Delivette Castor, MD Kim Hekimian, PhD
Monday September 19	The Changing World of Global Health [PRE-RECORDED LECTURE]	Ariel Pablos Mendez, MD, PhD
Monday September 26	Climate Change and Human Health	Cecilia Sorenson, MD
DESCRIBING THE BURDEN OF DISEASE:		
Monday October 3	Global Burden of Disease – Mental Health	Kathleen Pike, PhD
Monday October 10	NO CLASS – INDIGENOUS PEOPLE’S DAY	
Monday October 17	History of Pandemics and Burden of Infectious Disease	Philip LaRussa, MD Lawrence Stanberry, MD PhD
Monday October 24	Global Burden of Disease – The Shift in Mortality from Infectious to Non-Communicable Diseases	Michael Yin, MD, MS
SELECT DETERMINANTS OF DISEASE:		
Monday October 31	Determinants of Disease – Environment, Air Pollution and Health [PRE-RECORDED LECTURE]	Frederica Perera, PhD, DrPH, MPH
Monday November 7	COVID 19 – Comparing Experiences of Ethiopia and New York City	Tsion Firew, MD, MPH
Monday November 14	Determinants of Disease - Tobacco	Neil Schluger, MD
Monday November 28	Determinants of Disease- Nutrition	Kim Hekimian, PhD
EXAMPLES OF SYSTEM STRENGTHENING AND WORKING IN THE FIELD:		
Monday December 5 (In-Person)	Implementation Science and HIV – Developing Interventions that Work	Delivette Castor, MPH, PhD, MSc
Monday December 12 (In-Person)	Institutional Capacity and Health System Strengthening – Stories from the Field	Rachel Moresky, MD

Grade/Assessment:

The course will be graded Pass/Fail. The course will be assessed via:

- Attendance for Class
 - Students are allowed 2 unexcused absences.
 - Other excused absences need to be communicated to the Course Director prior to class.

- THREE Required Discussion Board Posts
 - All students must submit a response to the *Introduce yourself & why global health?* Discussion board before the first class on September 12.
 - Students must choose and respond to at least two of the remaining Discussions boards by December 12.

- One Brief Response Paper with Additional Literature

Each student must submit a response paper, written on a lecture topic of your choice.

1) **Choose a lecture** of interest from the syllabus for your paper.

2) **Search the literature for two articles** that add to your understanding of the main topic of the lecture. These are articles that you find through PubMed - not included in the recommended readings for the lecture.

3) **The response paper** should review the key messages you learned in the lecture, describe the two articles' findings and explain how the findings add to your knowledge and understanding of the lecture topic. Your response paper should be no longer than two pages, single-spaced. The paper is due by the end of the semester and should be submitted with the PDF of the two articles you read. The Response Paper may be submitted any time, but is due no later than **December 12**.