

Pasteur Course « Climate Change and Population Health »

Provisional Syllabus 2027

Prerequisites: fundamental notions of epidemiology

Validation: grade based on group work (final presentation)

Provisional Schedule

Monday Morning	9:00 to 9:30 Introduction to the course 9:30 to 11:00: Overview of climate change and context 11:00 to 12:00: Group Activity: IPCC style consensus building
Monday Afternoon	13:30 to 15:30: Framing, conceptual frameworks, link with other planetary crises 15:30 to 17:30: Launch of group work
Tuesday Morning	9:00 to 12:00: Environmental and climate epidemiology Part 1 Review of causal inference, ecological designs, external validity, <i>Approaches in Health Impact Assessment</i> (HIA)
Tuesday Afternoon	13:30 to 17:30: Environmental and climate epidemiology Part 2: focus on heat and health Introduction to time series analyses and quasi experimental methods
Wednesday Morning	9:00 to 12:00: Environmental justice part 1 Effect modification and HIA
Wednesday Afternoon	13:30 to 15:30: Environmental justice part 2: focus on Air pollution Exposure assessment and Integration of meteorological data in epidemiology 15:30 to 17:30: Group work
Thursday Morning	9:00 to 11:00: Focus on infectious diseases 11:00 to 12:00: Review of presentations by the instructors
Thursday Afternoon	13:30 to 15:30: Adaptation and health: Focus on alert systems and health promoting urban planning 15:30 to 17:30: Decarbonization of health systems
Friday Morning	9:00 to 11:00 : mitigation and health HIA practical workshop 11:00 to 12:30: Student presentations

Friday Afternoon	12:30 to 14:00: Celebration Lunch ('pot') 14:00 to 15:30: Exchanges and Debates: « Contemporary Issues, climate change and population health » 15:30 to 16:30: Wrap up

Framework for group work

- On group evaluations: groups of 3 to 5 depending on the final capacity, on topics proposed to them, based on an established corpus (4 to 5 articles), presentation of 15min max per group, so the objective is basically to summarize / synthesize the articles, and to prepare 3 to 4 slides / student
- The groups for the presentations will be formed ahead of the start of the course

Group Work:

To be discussed once the group of students is known