



Breadth subjects: Our Planet, Our Health Our Planet, Our Health II

If you are interested in the links between human, animal and environmental health, these subjects are for you.

All life on earth is interdependent. Unfortunately, the ecological balance that underpins life is under increasing threat.

Humanity has made remarkable advances in almost all disciplines, allowing us to thrive and grow our population like we never did before. Our success has changed our ecosystem most notably resulting in climate change and the emergence of animal-human interfaces that facilitate the spill-over of zoonotic diseases like Ebola, Avian Influenza, Severe Acute Respiratory Syndrome (SARS), Middle East Respiratory Syndrome (MERS), and more recently COVID19. Climate change and these infectious diseases not only result in morbidity and mortality; they also lead to food insecurity, poverty, inequality, limited economic access, reduced biodiversity, among other wicked problems.

These interdisciplinary breadth subjects will introduce you to the **One Health concept**, an emerging area of research that explores the interconnectedness of human, animal and environmental health.

Our Planet, Our Health is an introductory subject, recommended for students who want a broad overview of important aspects of the One Health concept.

Our Planet, Our Health II is a deeper exploration of One Health that introduces *system thinking* as the key methodological approach to explore interrelations in real-world One Health case studies.

You will learn about:

- infectious diseases at the animal-human interface
- antimicrobial resistance
- outbreak detection and response, disease management and prevention
- climate change, food security and sustainable agricultural development
- One Health in the context of indigenous health, ethical, political, cultural and governance challenges.
- System thinking approach

Interactive classes

Your tutorials will involve simulations, debates and interactive games. Lectures will discuss real-world cases in national and international contexts such as Buruli Ulcer in Australia and the plague in Madagascar.

Assessment

The assessment for these subjects include:

- One hour mid-semester multi-choice assessment (35% final mark)
- Final essay 1,500 words (55% final mark)
- Participation in tutorials and contributions to discussion (10% final mark)



Subject code
Our Planet, Our Health:
UNIB10017
Our Planet, Our Health
II: UNIB20020

When
Semester 2, 2021

Campus
Parkville

Offered by
The Faculty of Medicine,
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of Veterinary and
Agricultural Sciences,
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