

## Master of Science in Environmental biology

### Masterweek course visits for students

Friday, 12 March 2021

*To get an impression of our teaching, interested students are welcome to listen in the following lectures in environmental biology:*

**8:15-10:00**

**1. Microbiomes: from plants to humans** (SBL.00424) with Laure Weisskopf

Students will be introduced to the concept of holobionts and metaorganisms. They will learn how microbiomes are assembled and structured in different host organisms, including plants, animals and humans. They will discover the functions these microbiomes fulfil for their hosts and how we can leverage on these microbiome-encoded functions to address current challenges, e.g. in plant and human health.

[Link](#)

**8:15-10:00**

**2. Ecological networks** (SBL.00213) with Louis-Félix Bersier

The course will give an introduction to graph theory and to the historical development of the research on ecological networks. It will tackle key studies on the structure and dynamics of ecological networks, with a special focus on food webs.

[Link](#)

**10:15-12:00**

**3. Classical models in biology** (SBL.06002) with Rudolf Rohr & Louis-Félix Bersier

The use of simple models to describe the behaviour of biological phenomena has been of great help for their understanding and has often driven researchers to new ideas. Here we will show how to go from the phenomenon to a model and what can be learned using this process.

[Link](#)

