



## Lecture and practical courses: Ecosystems - Concepts, Principles and Processes

The principal characteristics and components of ecosystems will be introduced by Dr. Priscilla Carrillo Barragan. Through slides (presentations) and textbooks such principles, important processes and interactions between organisms and the abiotic environment will be discussed. Prof. Michael Sauer from the University of Natural Resources and Life Sciences (BOKU) in Vienna will give a talk about nutrient cycling and waste valorization.

Based on scientific literature, relevant topics will be critically analyzed and discussed. The critical reading and analysis of primary literature will be exercised with a focus on understanding the content of scientific articles, as well as on discussing and questioning the authors' statements, using the presented data. Topically, these sessions will be aligned with the content of the main lecture.

### The most important information at a glance

<b>Period</b>	17.09.2024 – 13.01.2025, Monday and Tuesday 10:15-12:00 am
<b>Format</b>	Lecture and practical courses, Working Language: English
<b>Location</b>	University of Basel, Basel, Switzerland Mondays: Kollegienhaus, Seminarraum 105 Tuesdays: Vesalianum, Seminarraum (O2.02)
<b>ECTS</b>	3 ECTS
<b>Target group</b>	Limited number of participants (25). Students of the MSD have a first priority. If you study something different you must do at least a master's degree within the Departement of Enviromental Sciences (Faculty of Sciences) and may attend the course in case of vacancies (= second priority). No other students admitted.
<b>Detailed course description</b>	Find a detailed course description <a href="#">here</a> .
<b>Registration</b>	Course enrollment on online services should be completed by the beginning of the teaching period (withdrawal possible until Monday of teaching week five).
<b>Performance record and ECTS</b>	<u>Deliverables (3 ECTS):</u> <ul style="list-style-type: none"><li>• Compulsory attendance in presence,</li><li>• readings and homework according to information of lecturers,</li><li>• written exam.</li></ul>
<b>Further</b>	The lecture is organized by the University of Basel and the University of Natural Resources and Life Sciences (BOKU) in Vienna. The course is part of the Eucor & EPICUR initiative of the university of Basel and supported by Movetia, the Swiss Agency for Mobility and Exchange.
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