



# SLUkurs

## Syllabus

**PNS0182 Carbon cycling: from molecular to global processes, 3.0 credits**

## Syllabus approved

2019-04-08

## Subjects

Biology/Soil Science

## Education cycle

Third cycle

## Grading scale

Pass / Failed

The requirements for attaining different grades are described in the course assessment criteria which are contained in a supplement to the course syllabus. Current information on assessment criteria shall be made available at the start of the course.

## Language

English

## Prior knowledge

Admitted to PhD education

## Objective, including learning outcomes

The course aims to provide an overview of the research frontiers in the area of organic matter dynamics in terrestrial and aquatic ecosystem. Different scales will

be considered, from molecular chemistry, via the interplay between organisms and organic matter, to biogeochemical cycling of carbon at the global scale

### **Content**

The course encompasses reading of selected scientific literature followed by group discussions (1.5 ECTS). The course will be concluded by a workshop with invited lecturers and student presentations (1.5 ECTS)

### **Requirements for examination**

Presence at all literature seminars and the concluding workshop is required to pass

### **Additional information**

### **Responsible department**

Department of Soil and Environment