



Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

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