

Wetlands (2026)

Name of course: Wetlands (2026)

ECTS credits: 5 ECTS (European Credit Transfer System)

Course parameters

Language: English

Level of course: PhD (Masters and young researchers with strong interest are also welcomed)

No. of contact hours/hours in total incl. preparation, assignment(s) or the like: 125 hours in total, including lectures, exercises, lab and field trips, and assignments, as well as one week of preparatory reading

Capacity limits: 20

Objectives of the course:

The course aims to provide participants with a deeper understanding of:

- the role of wetlands and their relationship with climate change,
- policy initiatives and development targets to restore wetlands/peatlands in Europe
- wetlands restoration trade-offs and controversies
- biodiversity response to wetland restoration and driving factors
- wetland soil characterization and mapping,
- biogeochemical processes in natural, restored, and treatment wetlands,
- hydrological dynamics under wetland restoration (i.e. rewetting),
- greenhouse gases emission measurements and biomass utilization,
- modeling wetlands restoration scenarios

Learning outcomes and competencies:

At the end of the course, the participants will be able to:

- have a better awareness of the ecological functionality of wetlands and their role in mitigating climate change,
- have an overall view of the current wetland mapping technology,
- describe wetland soil and hydrology characteristics,
- understand interactions of biogeochemical processes in wetlands,
- describe the impact of wetlands on nutrient cycling in agricultural catchments,
- understand different wetland systems, their applicability, and limitations,
- use different techniques to measure greenhouse gas fluxes,
- discuss peatland trade-offs and controversies, and policy initiatives.

Type of course/teaching methods: Lectures, exercises, group work, lab and field trip, final assignment

Course assessment: Classwork - satisfactory participation in the course; Group work and oral presentation. Prior to the course, each participant should prepare one slide PPT to introduce their research.

Course Organizer: Associate Professor Shubiao Wu, Department of Agroecology, Aarhus University, Blichers Allé 20, Postboks 50, DK-8830 Tjele

Course fee: 600 Euro.

Name of lecturers: A variety of national and international wetland experts will be invited.

Time: September 7-12, 2026

Place: AU Viborg – Department of Agroecology and wetland areas in Denmark

Registration:

The deadline for registration is August 2, 2026.

Sign-up link: [Wetlands 2026 - Laravel](#)

For registration: If you have any questions, please contact Shubiao Wu, e-mail: wushubiao@agro.au.dk