



COURSE CERTIFICATE

PhD course in “Watershed Ecology and Biogeochemistry” (7.5 ECTS)

Time 2022-09-01 to 2022-09-26

Noora Manninen has completed and passed the PhD-course in “Watershed Ecology and Biogeochemistry”. The course corresponded to five weeks of full time studies.

The course covered the following themes:

- Catchment hydrology and water balance
- Elemental transport and processing along hillslopes and riparian zones
- Controls over material exchange at the land-water interface
- Biogeochemical cycling in streams and rivers
- Biogeochemical significance of wetlands and lakes within catchments
- Interface between forest management, natural science and policy in boreal watersheds

Examinations:

Students were examined individually based on participation in all activities, discussions, and assignments.

Umeå 2021-09-29

Hjalmar Laudon

(Swedish University of Agricultural Sciences)