

High Temporal Resolution Water Quality Monitoring and Analysis

Post graduate PhD course, 1.5 ECTS

Date and location

online, 28th May-4th June 2021



<https://www.slu.se/waterquality>

Course content

This course is run together with the 4th International Workshop on High Temporal Resolution Water Quality Monitoring and Analysis held at SLU 31st of May-2nd of June 2021. The general focus of the course is on exploring recent technological and scientific advances in water quality measurements allowing for high-resolution determination of chemicals in water with a range of instruments. The objective of the course are to discuss how these new technologies and data can further advance catchment science and contribute to water resources management.

Course elements

First, an online lecture before the main workshop introducing the students to high-resolution water quality monitoring. Second, students will take part in the 3 day workshop, consisting of keynote presentations, regular presentations and discussions on the future needs of high-resolution water quality analysis. Third, students together with the course leader will discuss applicability of the high-resolution technology in addressing unanswered questions in catchment science, management needs and responding to the new and ambitious goals for water quality as part of e.g. UN Sustainable Goals and the Green Deal. This course and workshop will allow students to meet and interact with the top class international scientists in the field of catchment science, water quality and biogeochemistry. Pre- and post- workshop discussions with the course leader will allow synthesizing this new knowledge and putting it in the context of global environmental challenges. For interested students, there will be an opportunity to work together with the workshop participants on a joint publication.

Contact and registration

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