

PNS0119 PhD course on Organic micropollutants in the aquatic environment – measurements and transport processes, 5 hp

Department of Aquatic Sciences and Assessment, SLU, Uppsala

<p>Time and place</p> <p>April/May 2018</p> <p>MVM Campus Ultuna, Uppsala</p>								
<p>Target group</p> <p>PhD students, (young) researchers and postdocs</p>								
<p>Aim</p> <p>The aim of this course is to introduce students to the research field of environmental chemistry by investigating the sources, transport and fate of organic micropollutants in the environment. The course will focus on measuring organic micropollutants, such as pharmaceuticals and personal care products (PPCPs) and perfluoroalkyl substances (PFASs), and exploring their environmental transport processes in water.</p> <p>After completion of the course the student will be able to</p> <ul style="list-style-type: none">• Explain and discuss the transport and fate of common micropollutants in the aquatic environment (ILO 1)• Summarize and compare different analytical methods to measure organic micropollutants in the aquatic environment (ILO 2)• Perform the analysis of common organic micropollutants in water samples (ILO 3)• Conduct a statistical evaluation of the analysis results and interpret the findings in terms of cycling of organic micropollutants in the aquatic environment (ILO 4)								
<p>Time schedule</p> <table><tr><td>11-13 April, 2018</td><td>Lectures (Mandatory)</td></tr><tr><td>16-27 April, 2018</td><td>Field sampling and laboratory work (Mandatory)</td></tr><tr><td>28 April to 15 May, 2018</td><td>Group work</td></tr><tr><td>16 May, 2018</td><td>Final workshop (Mandatory)</td></tr></table>	11-13 April, 2018	Lectures (Mandatory)	16-27 April, 2018	Field sampling and laboratory work (Mandatory)	28 April to 15 May, 2018	Group work	16 May, 2018	Final workshop (Mandatory)
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<p>Course organizer and presentation of teachers</p> <p>Course organizer: Lutz Ahrens (Dept. of Aquatic Sciences and Assessment, SLU, Uppsala)</p> <p>Main organizer: Focus on Soils and Water (FoSW) Graduate School</p>								
<p>Registration</p> <p>Registration by email to <i>Lutz Ahrens</i>: lutz.ahrens@slu.se (Department of Aquatic Sciences and Assessment, SLU, Uppsala)</p> <p>Please provide information about name, department and if you are a member of the graduate school Focus on Soils and Water.</p>								