

M.Sc. Water Science and Chemistry Lab Course Analytical Chemistry		Status: May 27, 2011				Extension to research practical in principle feasible	Extension to master thesis in principle feasible (Y/N)?	Comments
Group	Direct Supervisor	e-mail direct supervi	Research Gr	Subject				
1	Dorothea Kujawinski	<a href="mailto:dorothea.kujawinski">dorothea.kujawinski</a>	Schmidt/Joch	Quantification and qualification of HPLC column bleed under high temperature conditions	1	y	HPLC or GC experience beneficial	
2	Dorothea Kujawinski	<a href="mailto:dorothea.kujawinski">dorothea.kujawinski</a>	Schmidt/Joch	Optimization of an LC-IRMS interface	1	1	starting Nov/Dec	
3	Dr. Klaus Kerpen	<a href="mailto:klaus.kerpen@uni-d">klaus.kerpen@uni-d</a>	Schmidt/Joch	Analysis of organic degradation products in water by UPLC after plasma treatment	1	y		
4	Dr. Andriy Kuklya	<a href="mailto:andriy.kuklya@uni-d">andriy.kuklya@uni-d</a>	Schmidt/Joch	Fast determination of organic compounds by using FAIMS technology	1	y		
5	Marcel Schulte	<a href="mailto:SvenMarcelSchulte">SvenMarcelSchulte</a>	Schmidt/Joch	Validation of methane carbon isotope ratio analysis for investigation of methane oxidizing microorganisms in landfill covers	1	y	starting Nov/Dec	
6	Oliver Würfel/Kamil Michalski	<a href="mailto:oliver.wuerfel@uni-c">oliver.wuerfel@uni-c</a>	Schmidt/Joch	Investigation of carbon isotope fractionation during PCE degradation	0	n		
7	Thorsten Hüffer	<a href="mailto:thorsten.hueffer@ur">thorsten.hueffer@ur</a>	Schmidt/Joch	Sorption of non-ionic organic compounds to carbon nanotubes	1	Y		
8	Maike Cyris	<a href="mailto:m.cyris@iww-online">m.cyris@iww-online</a>	Schmidt/Joch	Investigation on Oxidation of Gadolinium-Diagnostics	2	Y		
9	Holger Lutze	<a href="mailto:Holger.lutze@uni-dt">Holger.lutze@uni-dt</a>	Schmidt/Joch	Characterization of the photolysis of peroxodisulfate: Determination of quantum yield and mechanistic investigations	1	N		
10	Holger Lutze	<a href="mailto:Holger.lutze@uni-dt">Holger.lutze@uni-dt</a>	Schmidt/Joch	Mechanistic investigation of the reaction of ozone with benzotriazoles Identification of primary products	2	Y		
11	Alexandra Jarocki	<a href="mailto:alexandra.jarocki@uni-due.de">alexandra.jarocki@uni-due.de</a>	Schmidt/Joch	Determination of OH radicals from the reaction of bromide with ozone	?	N	start as soon as possible	
12	Alexandra Beermann	<a href="mailto:alexandra.beerman">alexandra.beerman</a>	Schmidt/Joch	Characterisation of intermediates in the Fenton-system (e.g. peroxo-complexes)	1-2	Y		
13	Xolelwa Lamani	<a href="mailto:xolelwa.lamani@stud.uni-due.de">xolelwa.lamani@stud.uni-due.de</a>	Schmidt/Jochmann/Telgheder	Analysis of different Solid Phase Microextraction (SPME) coated blades for the extraction of aromatic amines in urine samples using GCMS	1			
1	David Riesop	<a href="mailto:david.riesop@uni-due.de">david.riesop@uni-due.de</a>	Hirner	Mercury analysis - a multi tool approach	0	N	Starting date is <u>26th September</u> due to a sample collection trip to an abandoned industrial site in Duisburg	
2	Markus Hollmann	<a href="mailto:markus_hollmann@uni-due.de">markus_hollmann@uni-due.de</a>	Hirner	Speciation of low molecular metal compounds in environmental matrices	0	N		
1	Sebastian Kowal	<a href="mailto:s.kowal@iww-online">s.kowal@iww-online</a>	IWW	Development of a multi component online-SPE-HPLC-MS/MS method and initial studies in ground water, surface water and drinking water	1	Y		
2	Sebastian Kowal	<a href="mailto:s.kowal@iww-online">s.kowal@iww-online</a>	IWW	Development of a non-target-screening HPLC-MS/MS method for pesticide metabolites in different water bodies	1	N		
1	Christoph Portner / Jochen Türk	<a href="mailto:portner@iuta.de">portner@iuta.de</a> ; <a href="mailto:tuer">tuer</a>	IUTA	Determination of estrogen activity of waste water effluents using genetic modified yeast cells	1 to 2	Y	from August/September on	
2	Christoph Portner / Jochen Türk	<a href="mailto:portner@iuta.de">portner@iuta.de</a> ; <a href="mailto:tuer">tuer</a>	IUTA	Evaluation of a new online system (EstraMonitor) for determination of estrogen activity at	1 to 2	Y	from August/September on	
3	Claudia vom Eyser / Jochen Türk	<a href="mailto:vomEyser@iuta.de">vomEyser@iuta.de</a> ; <a href="mailto:tuer">tuer</a>	IUTA	Investigation of micro pollutants during hydrothermal carbonization of sewage sludge	1 to 2	Y	from August/September on	
4	Alaa Salma / Jochen Türk	<a href="mailto:salma@iuta.de">salma@iuta.de</a> ; <a href="mailto:tuer">tuer</a>	IUTA	Elimination of micro pollutants from waste water treatment plant effluents by advanced oxidation	1 to 2	Y	from August/September on	
1	Wolfgang Schrader	<a href="mailto:wshrader@mpi-mu">wshrader@mpi-mu</a>	Schrader	Analyse von schweren Erdölfractionen	1 to 2			