



Water Management BIOR 66, 20 March - 2 June, 2017

Welcome to the course in Water Management! This course integrates theoretical knowledge within aquatic ecology and hydrology with practical water management. So, it is a course with a very applied perspective! Using a combination of lectures in the beginning of the course, many study visits, field trips, practical training, seminars and a large final practical group project, you will obtain a thorough knowledge of the areas that you are supposed to master when working within water management. You will also get a good insight into the work of authorities and consult companies engaged in water management in Sweden. The teaching will be put in the perspective of Swedish and international water management policies and the Swedish Environmental Quality Objectives related to aquatic systems.

Department of Biology, <http://www.biology.lu.se/education>

Course leader: Per Carlsson, 046-2228435, 076-0242443, per.carlsson@biol.lu.se

Other Teachers: Per Nyström, Marika Stenberg, Pia Hertonsso, Olof Berglund, Karin Jönsson, Anders Nilsson + representatives from the County Administration Board and several municipalities.

Location: Mainly A 182 ("Späckhuggaren") in the Biology Building

Teaching activities: L (lecture), Sem (seminar), G (group exercise), Lab, Proj (Project), Ind (Independent studies), F (Field work/study visit)

Compulsory activities on this course are all activities, except lectures. However, some lectures marked with * are also compulsory, since they contain instructions for later project work. If you are absent from a compulsory activity without a valid reason you are not guaranteed to complete this part until the next time the course is offered. A valid reason is e.g. that you are ill, but not that you are travelling!

Literature: Handouts during the course

Web page: Web page: L@L. Students have access around 1 week before the start of the course

Date	Time	Activity	Description	Teacher	Location
Mo. 20 March	09.15-10.00		Introduction, Compulsory!	PC	Heden (G110)
Mo. 20 March	10.30-12.00	L*	EU Water Framework Directive	PC	Heden (G110)
Mo. 20 March	13.00-16.00	Proj	Water Framework Directive - group work	PC	Heden (G110)
Tu. 21 March	09.15-16.00	Proj	Water Framework Directive - group work	PC	Heden (G110)
We. 22 March	09.15-12.00	Proj	Water Framework Directive - group work	PC	Heden (G110)
We. 22 March	13.00-15.00				Heden (G110)
Th. 23 March	09.15-12.00	Proj	Water Framework Directive - group work		Heden (G110)
	13.00-17.00		No scheduled classes		
Fr. 24 March	09.15-15.00	Sem	Water Framework Directive - presentations		Heden (G110)
Mo. 27 March	08.00-13.00	F	Water management in practice: Skåne County Administrative Board (Malmö)	PC et al.	Malmö by train
Tu. 28 March	09.15-12.00	L	Wetlands: nutrient retention and biodiversity	PN	Heden (G110)
Tu. 28 March	13.00-16.00	L	Acidification - freshwater and marine	PC	Heden (G110)
We. 29 March	09.15-12.00	L	Fish Management	???	Heden (G110)
We. 29 March	13.00-16.00	Ind	Seminar article reading/Individual literature project		
Th. 30 March	09.15-12.00	L	How to become better at oral presentations!	AN	Heden (G110)
	12.30-13.30		Information om att söka kurser och program inför höst 2017 (på svenska)	Lotta, Tina	Röda Rummet
	13.00-17.00		No scheduled classes		
Fr. 31 March	09.15-16.00	Ind	Seminar article reading/Individual literature project		
Mo. 3 April	09.15-12.00	L*	Lake and coastal restoration	PN, PC	Heden (G110)
Mo. 3 April	13.00-16.00	Proj	Computer exercise	PN,PH	Heden (G110)
Tu. 4 April	09.15-16.00	Proj	Preparing for Literature seminar in groups		Heden (G110)
We. 5 April	09.15-12.00	L	Water and sewage treatment	KJ	Heden (G110)
We. 5 April	13.00-16.00	Ind	Preparing for Literature seminar in groups		Heden (G110)
Th. 6 April	09.15-12.00	L	Organic Pollutants	OB	Heden (G110)
	13.00-17.00		No scheduled classes		
Fr. 7 April	09.15-16.00	Sem	Literature seminar: Group A 9.15-12.15, Group B 13.00-16.00	PC	Heden (G110)
Fr. 7 April	13.00-16.00	Ind	Individual Literature Project. Deadline Title!		

Mo. 10 April	09.15-16.00	Ind	Individual Literature Project		
Tu. 11 April	09.15-16.00	Ind	Individual Literature Project		
We. 12 April	09.15-16.00	Ind	Individual Literature Project		
Th. 13 April			Easter holiday		
Fr. 14 April			Easter holiday		
			Easter holiday		
Mo. 17 April			Easter holiday		
Tu. 18 April	09.15-16.00	F*	River restoration and status classification	MS, PH	Heden (G110)
We. 19 April	08.00-12.00	F	Waste water treatment plant in Helsingborg	PC	Helsingborg by train
Th. 20 April	09.15-16.00	Sem	Individual Literature Project - student feed-back		Heden (G110)
	13.00-17.00		No scheduled classes		
Fr. 21 April	09.15-12.00	F	Ecosystem services and Water Framework Directive	PN	Heden (G110)
Fr. 21 April	13.00-16.00	Ind	Individual Literature Project		
Mo. 24 April	09.15-16.00	Sem	Individual Project Presentations	PC, AN	Heden (G110)
Tu. 25 April	09.15-16.00	Sem	Individual Project Presentations	PC, AN	Heden (G110)
We. 26 April	08.00-18.00	F	Trelleborg municipality	PC, TF	Trelleborg
Th. 27 April	09.15-12.00	Ind	Preparation for Home Exam		
	13.00-18.00		Re-exam courses spring period 1		
Fr. 28 April	09.15-16.00	Ind	Preparation for Home Exam		
Mo. 1 May			No scheduled classes		
Tu. 2 May	08.00-18.00	F	Höör/Hörby Municipalities	PC, PN	Höör/Hörby
We. 3 May	09.15-16.00	Ind	Home Exam		
Th. 4 May	09.15-12.00	F	Introduction to GIS		Heden (G110)
	13.00-17.00		No scheduled classes		
Fr. 5 May	09.15-16.00	L*	Habitat mapping + exercise	MS, PH	Heden (G110)
Mo. 8 May	08.00-18.00	F	Excursion Fyleån	MS, PH	Fyleån
Tu. 9 May	09.15-16.00	Proj	Restoration Fyleån - group exercise	MS, PH	Heden (G110)
We. 10 May	09.15-16.00	Proj	Restoration Fyleån - group exercise	MS, PH	Heden (G110)
	17.00-19.30		Biologer i utbildning och arbetsliv. Alumner berättar om sin väg ut i arbetslivet (på svenska). Grillning startar 18.30, OBS anmälan	Blå hallen, Ekologihuset	
Th. 11 May	09.15-12.00	Proj	Restoration Fyleån - group exercise		
	13.00-17.00		No scheduled classes		
Fr. 12 May	09.15-16.00	Sem	Presentations Fyleån	MS, PH	Heden (G110)
Mo. 15 May	09.15-16.00	Proj	Group Projects - Introduction		Heden (G110)
Tu. 16 May	09.15-16.00	Proj	Group Projects		Heden (G110)
We. 17 May	09.15-16.00	Proj	Group Projects		Heden (G110)
Th. 18 May	09.15-16.00	Proj	Group Projects		Heden (G110)
	13.00-17.00		No scheduled classes		
Fr. 19 May	09.15-16.00	Proj	Group Projects		Heden (G110)
					Heden (G110)
Mo. 22 May	09.15-16.00	Proj	Group Projects		Heden (G110)
Tu. 23 May	09.15-16.00	Proj	Group Projects		Heden (G110)
We. 24 May	09.15-16.00	Proj	Group Projects		Heden (G110)
Th. 25 May			Holiday, Ascension Day		
Fr. 26 May			Holiday		
Mo. 29 May	09.15-16.00	Proj	Group Projects		
Tu. 30 May	09.15-16.00	Proj	Group Projects. Deadline report for feed-back at 12.00. After 12.00 preparation for presentation		Heden
We. 31 May	09.15-16.00	Proj	Group Projects. Revision of report + preparation for presentation		Heden
Th. 1 June	09.15-12.00	Sem	Group projects presentations	PC, MS, PH, PN	
	13.00-17.00		No scheduled classes		



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Fr. 2 June	09.15-16.00	Sem	Group projects presentations	PC, MS, PH, PN	Heden
	16.00-19.00		Barbecue for Master's students, Exchange students and teachers at the Dept. of Biology	Ecology building	
Sa. 3 June			extra day if needed for exam!!		
Su. 4 June			Graduation Ceremony, http://www.science.lu.se/education/graduation-ceremony		
21-25 Aug			Re-sit exams, http://www.biology.lu.se/resit-exams		