



Water Management BIOR 66, 20 March - 1 June, 2018

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

Welcome to the course in Water Management! This course integrates theoretical knowledge within aquatic ecology and hydrology with practical water management. It is therefore 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 consulting companies engaged in water management in Sweden. The teaching will be put in the perspective of Swedish and international water management policies.

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

Other Teachers: Per Nyström, Marika Stenberg, Pia Hertonsen, Linda Parkefeldt, Anders Nilsson, Karin Jönsson, Anders Persson, Olof Berglund + representatives from the county Administration Board and several municipalities.

Location: see web schedule at L@L

Teaching activities: L (lecture), Sem (seminar), G (group exercise), Proj (Project), Exc (Excursion/Field trip)

Compulsory activities on this course are marked with "C". 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 can be e.g. that you are ill, but not that you are on a trip!

Literature: scientific articles and other handouts during the course

Before the start of the course you must read the documents "general information" and Plagiarism and Cheating

[General information](#)

[Plagiarism and Cheating](#)

Additional information for students can be found at

[Current student at LU](#)

[Current student at Dept. of Biol.](#)

[Students rights and guidelines](#)

[Learning platform: L@L](#)

Date	Time	Activity	Compulsory	Description	Teacher
Mo. 19 March				No classes at the Department of Biology	
Tu. 20 March	09.15-10.00	Introduction	C	Introduction, Compulsory!	PC
Tu. 20 March	10.30-12.00	L		EU Water Framework Directive	PC
Tu. 20 March	13.00-16.00	G	C	Reading WFD-articles and preparing presentations	PC
We. 21 March	09.15-12.00	G	C	Reading WFD-articles and preparing presentations	PC
We. 21 March	13.00-16.00	Sem		Presentations of WFD-articles	PC
Th. 22 March	09.15-12.00	L		Water cycle and management outside WFD	LP
	13.00-17.00			No scheduled classes	
Fr. 23 March	09.15-13.00			Wetlands: Construction, nutrient retention and biodiversity	PN
Fr. 23 March	13.00-13.30		C	Introduction to individual project	PC
Fr. 23 March	13.30-16.00			Acidification-freshwater and marine	PC
Mo. 26 March	08.00-13.00	Exc	C	Water management in practice: Skåne County	PC et al.
				Administrative Board. Excursion to Malmö	
Tu. 27 March	09.15-12.00	L	C	Lake and coastal restoration	PN/PC
Tu. 27 March	13.00-16.00	G	C	Computer exercise	PN/PH
We. 28 March	09.15-12.00	L	C	Water and sewage treatment	KJ
				Deadline title individual project - mail to Per!	
Th. 29 March				Easter holiday	
Fr. 30 March				Easter holiday	
				Easter holiday	
Mo. 2 April				Easter holiday	
Tu. 3 April	09.15-16.00	Proj		Individual Literature Project	
We. 4 April	09.15-16.00	Proj		Individual Literature Project	
Th. 5 April	09.15-16.00	Proj		Individual Literature Project	
	13.00-17.00			No scheduled classes	
Fr. 6 April	09.15-16.00	Proj		Individual Literature Project	

Mo. 9 April	09.15-12.00	L		Organic pollutants	OB
Mo. 9 April	13.00-16.00	L		Fish management	AP
Tu. 10 April	08.00-12.00	Exc	C	Waste water treatment plant in Lund	PC et al.
We. 11 April	09.15-16.00	Proj		Individual Literature Project	
	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	Jep Agrell Fredrik Johansson
Th. 12 April					
	10.00-14.00			No scheduled classes, ATLAS, student union career fair, http://www.lunds-naturvetarkar.se/atlas/	
Fr. 13 April	09.15-12.00	Proj	C	Individual Literature Project - student feed-back	
Fr. 13 April	13:30-15:30	L		How to become better at oral presentations	AN
Mo. 16 April	09.15-16.00	Proj		Individual Literature Project - finalizing presentation	
Tu. 17 April	09.15-16.00	Sem	C	Individual Project Presentations	PC/AN
We. 18 April	09.15-16.00	Sem	C	Individual Project Presentations	PC/AN
Th. 19 April	09.15-12.00	L	C	Ecosystem services and Water Framework Directive + exer	PN
	13.00-17.00			No scheduled classes	
Fr. 20 April	09:15-12:00	L	C	Intro to applied GIS and how to use GIS in water managem	PH/MS
Mo. 23 April	08.00-17.00	Exc	C	Trelleborg municipailty	PC et al.
Tu. 24 April	09.15-16.00	L/Proj	C	River restoration and status classification	MS/PH
We. 25 April	08.00-17.00	Exc	C	Höör / Hörby municipalities	PC/PN et al.
Th. 26 April	09.15-12.00	Sem	C	Workshop water cycle and management	LP/PC
	13.00-18.00			Re-exam courses spring period 1	
Fr. 27 April	09.15-16.00	L	C	Habitat mapping and stream restoration + exercise	MS/PH
Mo. 30 April				No scheduled classes, Valborg	
Tu. 1 May				Holiday, May 1'st	
We. 2 May	08.00-18.00	Exc	C	Habitat mapping and stream restoration - excursion	MS/PH
Th. 3 May	09.15-16.00	Proj	C	Habitat mapping and stream restoration - group exercise	MS/PH
	13.00-17.00			No scheduled classes	
Fr. 4 May	09.15-16.00	Proj	C	Habitat mapping and stream restoration - group exercise	MS/PH
Mo. 7 May	09.15-16.00	Proj	C	Habitat mapping and stream restoration - group exercise	MS/PH
Mo. 7 May	10.00, 14.00	Proj	C	10.00: Deadline written report. 14.00: report back with feed-back	
Tu. 8 May	09.15-16.00	Sem	C	Habitat mapping and stream restoration - presentations	MS/PH
We. 9 May	09.15-16.00	Exam	C	Home Exam	
Th. 10 May				Holiday, Ascension Day	
Fr. 11 May				Holiday, Ascension Day	
Mo. 14 May	09.15-16.00	Proj	C	Introduction to final group projects + start	MS/PH/PN/PC
Tu. 15 May	09.15-16.00	Proj	C	Group Projects	MS/PH/PN/PC
We. 16 May	09.15-16.00	Proj	C	Group Projects	MS/PH/PN/PC
Th. 17 May				No classes	
	13.00-17.00			No scheduled classes	
Fr. 18 May				No scheduled classes, KARNEVAL	
Mo. 21 May	09.15-16.00	Proj	C	Group Projects	MS/PH/PN/PC
Tu. 22 May	09.15-16.00	Proj	C	Group Projects	MS/PH/PN/PC
We. 23 May	09.15-16.00	Proj	C	Group Projects	MS/PH/PN/PC
Th. 24 May	09.15-16.00	Proj	C	Group Projects	MS/PH/PN/PC
	13.00-17.00			No scheduled classes	
Fr. 25 May	09.15-16.00	Proj	C	Group Projects	MS/PH/PN/PC
Mo. 28 May	09.15-16.00	Proj	C	Group Projects	MS/PH/PN/PC
Tu. 29 May	09.15-16.00	Proj	C	Group Projects	MS/PH/PN/PC
We. 30 May	09.15-16.00	Proj	C	Deadline delivery of report for feed-back at 12:00 + Preparation for presentations	
Th. 31 May	09.15-12.00	Proj	C	Revision of report and preparation of presentations	
	13.00-17.00			No scheduled classes	



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Fr. 1 June	09.15-16.00	Sem	C	Group Project Presentations	MS/PH/PN/PC
	16.00-19.00			Barbecue for Master's students, Exchange students and teachers at the Dept. of Biology	
Su. 3 June				Graduation Ceremony, http://www.science.lu.se/education/graduation-ceremony	
27 - 31 Aug				Re-sit exams, http://www.biology.lu.se/resit-exams	