

Time	Monday	Tuesday	Wednesday	Thursday	Friday																
8:00-9:00	<div style="border: 1px solid black; padding: 5px;"> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Namn</td> <td style="width: 40%;">Id, Hus, Ort, Platser</td> <td style="width: 20%;">Namn</td> <td style="width: 20%;">Id, Hus, Ort, Platser</td> </tr> <tr> <td>Are</td> <td>C-24752105, VHC hus 5, Uppsala, 60</td> <td>Sal L (videokonferens)</td> <td>C-185104, Undervisningshuset, Uppsala, 44</td> </tr> <tr> <td>Loftets bankettsal</td> <td>C-128231, Loftet (Ladugården), Uppsala, 40</td> <td>Sal S</td> <td>C-250E209, Ulls hus E-blocket, Uppsala, 40</td> </tr> <tr> <td></td> <td></td> <td>Särimer</td> <td>C-24752136, VHC hus 5, Uppsala, 54</td> </tr> </table> </div>					Namn	Id, Hus, Ort, Platser	Namn	Id, Hus, Ort, Platser	Are	C-24752105, VHC hus 5, Uppsala, 60	Sal L (videokonferens)	C-185104, Undervisningshuset, Uppsala, 44	Loftets bankettsal	C-128231, Loftet (Ladugården), Uppsala, 40	Sal S	C-250E209, Ulls hus E-blocket, Uppsala, 40			Särimer	C-24752136, VHC hus 5, Uppsala, 54
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13:00-14:00																					
14:00-15:00																					
15:00-16:00																					
16:00-17:00																					

Obligatory

Lectures/trips Teachers

Lecture rooms:
Zoom
Särimer

Field trips

- * Introduction MB, JB
- * Term paper introduction and group work MB
- Limnology HM
- Hydrology KB
- Ecosystem impacts AB
- Water quality monitoring MB
- Swedish monitoring JF
- * Field measurements MB

- Sources and pathways P FD
- Load apportionment models FD
- Sources and pathways N MB
- Water Framework Directive MB
- Mitigation - theory MB

2nd Nov	3rd Nov	4th Nov	5th Nov	6th Nov
BASIC CONCEPTS, SOURCES AND IMPACTS				

8:00-9:00					
09:00-10:00	Introduction	Limnology	Hydrology	Water quality monitoring	Field measurements
10:00-11:00	Introduction	Limnology	Hydrology	Water quality monitoring	Field measurements
11:00-12:00	Term paper - introduction	Limnology	Hydrology	Water quality monitoring	Field measurements
12:00-13:00	<i>Lunch</i>	Limnology	<i>Lunch</i>	<i>Lunch</i>	Field measurements
13:00-14:00	Term paper - group work	<i>Lunch</i>	Ecosystem impacts	Swedish monitoring	Field measurements
14:00-15:00	Term paper - group work	Limnology	Ecosystem impacts	Swedish monitoring	Field measurements
15:00-16:00	Own work	Limnology	Ecosystem impacts	Own work	Field measurements
16:00-17:00	Own work	Own work	Own work	Own work	Own work

LEGISLATION, MONITORING AND MODELLING				
9th Nov	10th Nov	11th Nov	12th Nov	13th Nov

8:00-9:00					
09:00-10:00	Sources and pathways P	Sources and pathways N	Mitigation - theory	Agricultural water management	Own work
10:00-11:00	Sources and pathways P	Sources and pathways N	Mitigation - theory	Agricultural water management	Own work
11:00-12:00	Sources and pathways P	Sources and pathways N	Mitigation - theory	Own work	<i>Lunch</i>
12:00-13:00	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	Field trip
13:00-14:00	Load apportionment models	Water Framework Directive	Own work	Own work	Field trip
14:00-15:00	Load apportionment models	Water Framework Directive	Own work	Own work	Own work
15:00-16:00	Own work	Own work	Own work	Own work	Own work
16:00-17:00	Own work	Own work	Own work	Own work	TP1

- Agricultural water management JB
- * Field trip SB
- Mitigation - practice FD, PG, HA
- Stream restoration BM
- Multiple stressors MK-Q
- * Literature discussion 1 and 2 MB
- Modelling water quality MF

- Water challenges in developing countries JB
- Stakeholder's perspective DW
- Nutrient recycling JS
- * Term paper presentations MB
- * Literature discussion 3 and 4 MB

INTERNATIONAL OUTLOOK AND MITIGATION				
16th Nov	17th Nov	18th Nov	19th Nov	20th Nov

8:00-9:00					
09:00-10:00	Own work	Mitigation - practice	Stream restoration	Multiple stressors	Literature discussion 1
10:00-11:00	Own work	Mitigation - practice	Stream restoration	Multiple stressors	Literature discussion 2
11:00-12:00	Own work	Mitigation - practice	Stream restoration	Multiple stressors	Own work
12:00-13:00	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
13:00-14:00	Own work	Own work	Mitigation - practice	Own work	Modelling water quality
14:00-15:00	Own work	Own work	Mitigation - practice	Own work	Modelling water quality
15:00-16:00	Own work	Own work	Own work	Own work	Own work
16:00-17:00	Own work	Own work	Own work	Own work	TP2

- Questions and answers MB
- * Exam MB, JB
- * Course evaluation MB

TP1 Term paper first draft
TP2 Term paper second draft
TP3 Term paper final version

APPLICATIONS				
23rd Nov	24th Nov	25th Nov	26th Nov	27th Nov

8:00-9:00					
09:00-10:00	Water challenges in developing c	Stakeholder's perspective	Nutrient recycling	Term paper presentations	Literature discussion 3
10:00-11:00	Water challenges in developing c	Stakeholder's perspective	Nutrient recycling	Term paper presentations	Literature discussion 4
11:00-12:00	Own work	Stakeholder's perspective	Nutrient recycling	Term paper presentations	Own work
12:00-13:00	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
13:00-14:00	Own work	Stakeholder's perspective	Own work	Term paper presentations	Own work
14:00-15:00	Own work	Stakeholder's perspective	Own work	Term paper presentations	Own work
15:00-16:00	Own work	Stakeholder's perspective	Own work	Term paper presentations	Own work
16:00-17:00	Own work	Own work	Own work	Own work	Own work

Time in hours 161
Lectures 63
Trips and practical work 21
Own work 77

Teachers:
Magdalena Bieroza MB (course leader)
Jennie Barron JB

	EXAM				
	30th Nov	1st Dec	2nd Dec	3rd Dec	4th Dec
8:00-9:00					
09:00-10:00	Questions and answers	Own work	Own work		Exam
10:00-11:00	Questions and answers	Own work	Own work		Exam
11:00-12:00	Own work	Own work	Own work		Exam
12:00-13:00	Lunch	Lunch	Lunch		Exam
13:00-14:00	Own work	Own work	Own work		
14:00-15:00	Own work	Own work	Own work		
15:00-16:00	Own work	Own work	Own work		
16:00-17:00	Own work	Own work	Own work		
					TP3
Re-examination		11 th January 2021 8:00-13:00			

- Kevin Bishop KB
- Hampus Markensten HM
- Andreas Bryhn AB
- Faruk Djodjic FD
- Helena Aronsson HA
- Jens Fölster JF
- Martyn Futter MF
- Pia Geranmayeh PG
- Brendan McKie BM
- Jenna Senecal JS
- Mary Kelly-Quinn MK-Q
- Dennis Wiström DW
- Stina Bengtsson SB