



Course organizer:

Gesche Blume-Werry GBW

Other teachers:

Sarah Schwieger SS

Valentin Kriegel VK

Leah Kirchhoff LK

Judith Winkler JW

Tim Horstkotte TH

Emily Pickering Pederse EPP

Karl Heuchel KH

Nicolas Bonfanti NB

Day	Date	Time	Type		Location	Teacher
Mo	31-Aug			Arrival in Abisko; pick up keys at ANS		GBW
Tue	01-Sept	0900-1200	Lecture	Introduction	B-house	GBW
			Instruction	Cleaning & tour of the buildings and personnel		Noella Jonsson
		1300-1400	Lecture	The Arctic terrestrial environment	B-house	GBW
		1400-1500	Lecture	Climate change in the Arctic	B-house	GBW
		1500-1600	Instruction	Tour of the labs, lab security		Alisa Heuchel
		1600-1630	Instruction	Instructions: Excursion Mt. Nuolja (+group picture)	B-house	GBW
We	02-Sept	0900-1100	Lecture	Plants and plant-plant interactions in cold climates	B-house	GBW
		1100-1500	Self study	Prepare Mt. Nuolja excursion		
		1500-1530	Instruction	Instructions: projects	B-house	JW, VK, LK
			Project	Group contract		
		1530-1700	Project	Self study: Course literature - projects		JW, VK, LK
Thu	03-Sept	0900-1000	Lecture	Experimental design and hypothesis	B-house	SS
		1000-1700	Project	Reading time and development of hypothesis and aims		JW, VK, LK
Fr	04-Sept	08300-1100	Instruction	Mountain Security, orienteering		KH
		1100-1700	Excursion, s self-guided: An arctic landscape (Mt Nuolja)			
Sa	05-Sept					
Su	06-Sept					
Mo	07-Sept	0900-1100	Lecture	Belowground arctic ecology	B-house	SS
		1100-1200	Symposium	Presentation hypotheses	B-house	SS?, VK, LK, JW
		1300-1700	Seminar	Seasonality workshop part 1 & Project (preparation & practice)		ED, PhD students
Tue	08-Sept	0900-1700	Project	Project (practical work)		VK, LK, JW
Wed	09-Sept	0900-1100	Lecture	Above-belowground interactions in the Arctic	B-house	DW
		1100-1700	Project	Project (practical work)		VK, LK, JW
Thu	10-Sept	0800-1700	Excursion	Above-belowground interactions in the Arctic (Kärkevagge)		DW, VK
Fr	11-Sept	0830-0900		<i>optional drop-in for questions, concerns, https://umu.zoom.us/j/6509164. zoom</i>		GBW
		0900-1700	Project	Project (practical work)		VK, LK, JW

Sa	12-Sept					
Su	13-Sept					
Mo	14-Sept	0900-1700	Project	Project (practical work)		VK, LK, JW
Tue	15-Sept	0900-1700	Project	Project (practical work)		VK, LK, JW
We	16-Sept	0900-1700	Project	Project (practical work)		VK, LK, JW
Thu	17-Sept	0900-1700	Project	Project (last practical work) // Self study: Course literature - projects		VK, LK, JW
Fri	18-Sept		<i>evening</i>	<i>optional get-together, Sami movie evening</i>	Lecture hall	TH
		0830-0900		<i>optional drop-in for questions, concerns, https://umu.zoom.us/j/6509164. zoom</i>		GBW
		0900-1100	Lecture	Herbivores and herbivory in the Arctic	B-house	TH
		1200-1700	Excursion	Arctic herbivores, Reindeer herding		TH
Sa	19-Sept					
Su	20-Sept					
Mo	21-Sept	0900-1500	Self study	Prepare for literature seminar I		
		1500-1700	EXAM	Literature Seminar I "arctic plant-soil linkages"	B-house	EPP
Tue	22-Sept	0900-1500	Project	Project (prepare methods posters)		
		1500-1700	Seminar	Methods poster seminar	B-house	NB, LK, JW, VK
Wed	23-Sept	0900-1100	Project	Project (data analysis) meeting with NB to discuss data analysis		NB
		1100-1500	Project	Project (data analyses)		
		1500-1700	Seminar	Pictionary 1	B-house	EPP
Thu	24-Sept	1000-1200	Lecture	Permafrost	B-house	ED
		1300-1600	Excursion	Permafrost peatlands (Storflaket)		ED, ICOS
Fr	25-Sept	0830-0900		<i>optional drop-in for questions, concerns, https://umu.zoom.us/j/6509164. zoom</i>		GBW
		0900-1700	Project	Project (data analyses)		NB
Sa	26-Sept					
Su	27-Sept					
Mon	28-Sept	0900-1700	Project	Project (data analyses)		
Tue	29-Sept	0900-1700	Self study	Course literature - projects / last data analysis		
Wed	30-Sept	0900-1000	Lecture	Writing a scientific paper	B-house	EPP
		1100-1700	Project	Project (literature study, writing report)		
Thu	01-Oct	0900-1700	Project	Project (writing report)		
Fr	02-Oct	0830-0900		<i>optional drop-in for questions, concerns, https://umu.zoom.us/j/6509164. zoom</i>		GBW
		0900-1700	Project	Project (writing report)		
Sa	03-Oct					
Su	04-Oct					
Mo	05-Oct	0900-1700	Project	Project (writing report)		
Tue	06-Oct	0900-1700	Project	Project (writing report)		
		1700	Project	Hand in first draft of report to peers at 17:00 latest		VK, GBW, LK, Jw
			Project	Upload project data to Canvas		VK, GBW, LK, JW
Wed	07-Oct	0900-1100	Lecture	Vegetation changes & climate feedbacks across spatial scales	B-house	ED
		1300-1500	Excursion	Scaling arctic ecosystems		ED
Thu	08-Oct	0900-1500	Self study	Prepare for literature seminar II		
		1500-1700	EXAM	Literature Seminar II "grazed arctic landscapes"	B-house	EPP
Fri	09-Oct	0830-0900		<i>optional drop-in for questions, concerns, https://umu.zoom.us/j/6509164. zoom</i>		GBW
		0900-1100	Project	Peer reviewing project reports draft		
		1100-1200	Lecture	Climate feedbacks from arctic ecosystems I	B-house	ED
		1300-1430	Lecture	Climate feedbacks from arctic ecosystems II	B-house	ED
		1430-1700	Project	Peer reviewing project reports draft		
			Project	Responses sent from peers to first draft (cc supervisors), latest 17.00		VK, JW, GBW, LK
Sa	10-Oct					
Su	11-Oct					

Mo	12-Oct	0900-1500	Self study	Prepare for literature seminar III		
		1500-1700	EXAM	Literature Seminar III "Effects of Snow"	B-house	EPP
Tue	13-Oct	0900-1700	Project	Project (revising report)		
		1700	Project	Hand in first draft of report to group supervisors at 17.00 latest		VK, GBW, LK, JW
We	14-Oct	0900-1500	Self study	Prepare for literature seminar III		
		1500-1700	EXAM	Literature Seminar IV "Experimental design"	B-house	EPP
Thu	15-Oct	0900-1700	Self study	Study time (course literature)		
Fri	16-Oct	0830-0900		<i>optional drop-in for questions, concerns, https://umu.zoom.us/j/6509164. zoom</i>		GBW
		0900-1000	Lecture	Temporal scales of arctic experiments	B-house	VK
		1000-1700	Self study	Study time (prepare oral presentation, course literature)		
Sa	17-Oct					
Su	18-Oct					
Mo	19-Oct	0800-1000	Project	Project (feedback from group supervisor, responses to first draft)	B-house	VK, GBW, LK, JW
		1000-1700	Project	Project (revising report)		
			Lecture	Winter processes?		
Tue	20-Oct	0900-1700	Project	Project (revising report)		
We	21-Oct	0900-1700	Project	Project (revising report)		
		1700	Project	Hand in final report to GBW, LK, VK, JW at 17.00 latest		VK, GBW, LK, JW
Thu	22-Oct	0900-1200	Self study	Study time (prepare oral presentation)		
		1300-1600	EXAM	Project presentations	B-house	VK, GBW, LK, JW
		1600-1700	Self Study	Study time (course literature)		
Fri	23-Oct	0830-0900		<i>optional drop-in for questions, concerns, https://umu.zoom.us/j/6509164. zoom</i>		GBW
		0900-1100	Seminar	Seasonality and Winter processes part 2	B-house	ED
		1100-1700	Self study	Study time (course literature, pictionary)		
Sa	24-Oct					
Su	25-Oct					
Mo	26-Oct	0900-1200	Self study	Study time (course literature, exam study)		
		1300-1400	Meeting	Questions to teachers	zoom	GBW, ED
		1400-1500	Seminar	Pictionary 2	B-house	EPP
		1500-1700	Self study	Study time (course literature, exam study)		
Tue	27-Oct	0900-1700	Self study	Study time (course literature, exam study)		
We	28-Oct	0900-1700	Self study	Study time (course literature, exam study)		
Thu	29-Oct	0900-1300	EXAM	Written exam	B-house	VK
		1400-1500		Evaluation		
Fr	30-Oct	0800-1100		Cleaning and departure		