

SG0245 Sustainable management of boreal forests. 2025-03-25 - 2025-06-08

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Day	Time & Location	Activity	Content	Teacher
Tue 25/3	9.00-10.30 (Björken)	Introduction	Course introduction Subject matter outline, Objectives & learning outcome course design, student responsibilities, activities, study group organization, schedule, literature, learning tools and grading, field trips.	Lenka Kuglerová & Järvi Järveoja (course leaders)
	10.30-12.00 (Björken)	Survey + Lecture	M1: What is sustainable management? Sustainable management from multiple perspectives	Kuglerová Göran Hallsby
	PM	Canvas	Introduction to A1 (group and topic arrangements)	
Wed 26/3	All day	Assignment	A1: literature searches, reading, group work	
Thurs 27/3	9.00-11.00 (online)	Lecture	Emerging policy and governance shifts in boreal forestry	Camilla Widmark
	PM	Assignment	A1: literature searches, reading, group work	
Fri 28/3	9.00-12.00 (Bokskogen)	Seminar	A1: The boreal forestry context, group presentations	Kuglerová
	PM	Assignment	A1b: individual written reflection on A1– (deadline by midnight)	
Sat 23/3				
Sun 24/3				
Mon 31/3	9.00-12.00 (Björken)	Lecture	M2: Module intro and assignment instructions – canvas + introductory reading and preparation for quiz on climate change drivers (A2a) Lecture: The role of wood-based products and bioenergy	Gustaf Egnell
	PM	Reading M2		

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Tue	1/4	8.00-12.00 (Canvas) 13.00-15.00	Quiz Lecture	Quiz: Climate change drivers and the importance of forests. Quiz opens at 8am and closes at midnight Report on boreal forestry	Lina Ceder
Wed	2/4	9.00-11.00 (Björken) PM	Lecture Assignments	Carbon balances across the managed forest landscape Work on A2 (group work)	Matthias Peichl
Thu	3/4	9.00-11.00 (Björken) PM	Lecture Assignments	Soil carbon in boreal forest – Impact of forest management Work on A2 (group work)	Michael Gundale
Fri	4/4	9.00-12.00 (Björken) PM	Group discussion Assignment	Group debates A2, questions and discussion A2b – voluntary assignment (Sunday deadline)	Egnell, Gundale
Sat	5/4				
Sun	6/4				
Mon	7/4	9.00-11.00 (Björken) PM	Lecture Reading	M3 : From forest to product: Wood formation and how silviculture can affect wood properties	TBD
Tue	8/4	9.00-11.00 (Björken) PM	Lecture Assignment	Wood quality and economical and environmental requirements along the wood supply chain Introduction of A3, signing up for pairs, reading, working on questions	Carmen Critescu
Wed	9/4	9.00-11.00 (Björken) PM	Lecture Assignment	Future development of sawmill production A3	TBD
Thu	10/4	AM 13.00 PM	Assignment Assignment Assignment	Preparation for presentations Deadline: Share report with reviewers on Canvas discussion page	

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				Working on question preparation	
Fri	11/4	9.00-12.00 (Björken) PM	Presentations Assignment	Group presentations and discussions A3: submit paired written assignment by Sunday midnight	Critescu
Sat	12/4				
Sun	13/4				
Mon	14/4	9.00-11.00 (Björken) 13.00-15.00	Lecture Lecture	M4: Management and biodiversity M4: More varied forestry A4: Read and work on survey questions for discussion on Friday	<i>Albin Larsson Ekström</i> <i>Helena Dehlin, Swedish Forest Agency</i>
Tue	15/4	9.00-12.00 (Björken) PM	Lecture + discussion reading	Ecological restoration of forests for biodiversity reading	<i>Albin Larsson Ekström</i>
Wed	16/4	9.00-12.00 (Björken) PM	Lecture + discussion Survey	Microclimate Case study on bark beetle and microclimate A4: Better than nature silviculture survey	<i>Caroline Greiser</i>
Thu	17/4	(Canvas)	Assignment (voluntary)	Open book exam (A4a voluntary): Forest management applications and biodiversity (submit by 16.00)	
Fri	18/4	Easter			
Sat	19/4	Easter			
Sun	20/4	Easter			
Mon	21/4	Easter			
Tue	22/4	9.00-9.30 (Björken) 9.30-11.00 (Björken) 11.00-12.00	Lecture Lecture Lecture	M5: Introductions to forest health module and SLU Forest Damage Center Root rot	<i>Jonas Rönnberg</i> <i>Jonas Rönnberg</i> TBD

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Mon	5/5	9.00-11.00	Lecture + discussion	Rewetting	Skogsstyrelsen
		13.00-16.00	Lecture and discussions	Effects of forestry operations on water quality, quantity and ecology Forest management around water	Kuglerová
Tue	6/5	All day	Assignments	A7: Working on debate statements. Voluntary assignment	
Wed	7/5	9.00-10.30 (Björken)	Lecture	Climate change, water and forestry	Hjalmar Laudon
		PM	Assignment	A7: Working on debate statement	
Thu	8/5	All day	Assignment	A7: Working on debate statement A7b individual voluntary assignment (deadline Friday midnight)	
Fri	9/5	9.00-12.00 (Björken)	Debate	Stakeholder debate A6, + concluding discussion	Kuglerová, Hasselquist, Järveoja
		PM	Assignment	A7b individual voluntary assignment (deadline Friday midnight)	
Sat	10/5				
Sun	11/5				
Mon	12/5	9.00-11.00	Lecture	M8 Stakeholder interactions	Elisabet Andersson
		PM	Assignment	A8a: Working on a map and metrics for group assignment	
Tue	13/5	AM	Assignment	A8a: Working on a map and metrics for group assignment	
		13.00-16.00 (Zoom)	Lecture and discussion	Decision support for sustainable forest management – tools and examples	Johanna Lundström

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Wed	14/5	9.00-11.00 (Björken) PM	Lecture and exercise Assignment	Multi-criteria decision analysis (MCDA) as a tool for participatory forest planning A8a: Working on a map and metrics for group assignment	<i>Eva-Maria Nordström</i>
Thu	15/5	9.00-11.00 (Björken) PM	Lecture and discussion Assignment	Forestry and conservation in the coniferous forests of NW Sweden A8a: Working on a map and metrics for group assignment	<i>Johan Svensson</i>
Fri	16/5	PM	Assignment Assignment	A8a: FINAL group report (deadline for submission <u>on Canvas</u> by midnight) Voluntary A8b: (deadline on Sunday midnight)	
Sat	17/5				
Sun	18/5				
Mon	19/5	8.00 – departure from Umeå 14.00-17.00	Field trip	M9: Green infrastructure and landscape planning	<i>Emelie Westin (SCA), (Jämtland County Board), Järvi Järveoja</i>
Tue	20/5	8.00-17.00 (Hallåsen)	Field trip	Clear-cut free forestry	<i>Henrik Wikström Järvi Järveoja</i>
Wed	21/5	8.00-17.00 (Fagerdal)	Field trip	Nature values, biodiversity, regeneration, fire,	<i>Göran Hallsby, Lenka Kuglerová</i>
Thu	22/5	8.00-17.00 (Fagerdal)	Field trip	Preparation for A10:desirable futures Water, social values	<i>Kuglerová Hallsby</i>
Fri	23/5	8.00-13.00 (Fagerdal) 14.00 – departure to Umeå	Field trip	SWOT analyses,	<i>Kuglerová Hallsby</i>
Sat	24/5				
Sun	25/5				
Mon	26/5	AM 13.00-15.00	Lecture	M6 Forest and Human health - Reading and watching pre-recorded lectures Forest and Human health	

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	(Björken)		- A6: Forest for Recovery-	<i>Elisabet Bohlin</i>
Tue 27/5	All day		A6: Individual forest excursion or reading	
Wed 28/5	9.00-11.00 (Björken)	Seminar	Discussion and questions on recorded lectures and follow up on A6	<i>Elisabet Bohlin</i>
Thu 29/5	Public holidays			
Fri 30/5	All day	Assignment	A10 – desirable future	
Sat 31/5	9.00-11.00 (zoom)			
Sun 1/5				
Mon 2/6	9.00-11.00 (online) PM	Lecture Assignment	Opportunities for enhanced returns in timberland investments through carbon- and biodiversity credits A10 – desirable future	Aleksandra Holmlund
Tue 3/6	9.00-11.00 (zoom) PM	Lecture Assignment	Governmental incentives A10 – desirable future	Stefan Karlsson (Skogsstyrelsen)
Wed 4/6	AM 13.00-15.00 (Björken)	Reading for afternoon discussion	A10b – climate adaptation of forest management A10b – climate adaptation of forest management	
Thu 5/6	9.00-12.00 (Vita Havet)	Discussion Evaluation	A10b – climate adaptation of forest management Fill out course evaluation in Evald	<i>Kuglerová</i>
Fri 6/6	Public holidays			

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Sat	7/6				
Sun	8/6				