

## BI1433 Fungi and insects in the managed forests, HT2024

**Course period:** 2024-11-1 to 2025-01-19, 50%

**Teacher:**

KZ — Ke Zhang  
 MN — Michelle Nordkvist  
 AD — Anders Dahlberg  
 JE — Jeannette Eggers

**Activities:**

<b>Fungi activities</b>	<b>Insect activities</b>	<b>Nature conservation activities</b>	<b>Modeling activities</b>	<b>Joint activities</b>	<b>Self study</b>
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Week	Date	Week-day	Time	Location	Teacher	Activity	Mandatory
44	2024-11-1	T				Holiday	
45	2024-11-7	T	9:15 – 12:00	Sal C213, Biocentrum	KZ, MN, AD, JE	Meet the teachers and introduction lectures	
			13:15 – 16:00	Kunskapsparken		Joint excursion	Mandatory
	2024-11-8	F	9:15 – 12:00	Sal C213, Biocentrum	KZ	Fungi 1: Lecture _Introduction to plant pathology	
			13:15 – 16:00	Sal C213, Biocentrum	KZ	Fungi 2: Lecture _ Fungal taxonomy and fungal biology	
46	2024-11-14	T	9:15 – 12:00	Sal C213, Biocentrum	KZ	Fungi 3: Lecture _ Root diseases	
			13:15 – 16:00	Sal C213, Biocentrum	KZ	Fungi 4: Lecture _Stem and branch diseases	
	2024-11-15	F	9:15 – 12:00		KZ	Fungi 5: Excursion	Mandatory
			13:15 – 16:00	Sal C213, Biocentrum	KZ	Fungi 6: Lecture_ Foliage and cone diseases, Invasive pathogens and climate change	
47	2024-11-21	T	9:15 – 12:00	BÖL 2, Biocentrum	KZ	Fungi 7: Lab practical_identification of fungal pathogen	Mandatory
			13:15 – 16:00	BÖL 2, Biocentrum	KZ	Fungi 8: Lab practical_continue	Mandatory
	2024-11-22	F	9:15 – 12:00	Sal C213, Biocentrum	MN	Insects 1: Lecture_Introduction to forest insects and damage	
			13:15 – 16:00	Sal C213, Biocentrum	MN	Insects 2: Lecture_Three important types of pest insects: defoliators, regeneration pests and wood-boring insects	
48	2024-11-28	T	9:15 – 12:00	Sal C213, Biocentrum	MN	Insects 3: Excursion_spruce bark beetle	
			13:15 – 16:00	Sal C213, Biocentrum	MN	Insects 4: Lecture + seminar_Population dynamics and insect outbreaks	
	2024-11-29	F	9:15 – 12:00	BÖL 2, Biocentrum	MN	Insects 5:Lab practical_insect identification	
			13:15 – 16:00	BÖL 2, Biocentrum	MN	Insects 6: Lab practical_continue	
49	2024-12-5	T	9:15 – 12:00	Sal C213, Biocentrum	MN	Insects 7: Lecture_forest insects, climate change and forest management	
			13:15 – 16:00	Sal C213, Biocentrum	MN	Insects 8: Seminar_forest insects, climate change and forest management	
	2024-12-6	F	9:15 – 12:00	Sal C213, Biocentrum	AD	Nature Conservation 1: Lecture_Introduction	
			13:15 – 16:00	Sal C213, Biocentrum	AD	Nature Conservation 2: Lecture_Nature conservation values	
50	2024-12-12	T	9:15 – 12:00	Sal C213, Biocentrum	AD	Nature Conservation 3: Excursion	
			13:15 – 16:00	Sal C213, Biocentrum	AD	Nature Conservation 4: Lecture_Nature conservation in forest management	
	2024-12-13	F	9:15 – 12:00	Sal C213, Biocentrum	AD	Nature Conservation 5: Seminar	

			13:15 – 16:00	Sal C213, Biocentrum	AD	Nature Conservation 6: Lecture_Possibilities and challenges with nature conservation	
51	2024- 12-19	T	9:15 – 12:00			Self study time before the exam	
			13:15 – 16:00		AD	Written exam	Mandatory
	2024- 12-20	F	9:15 – 12:00		JE	Modeling 1: lecture_Decision support for sustainable forest management: modelling future forest development	
13:00 – 15:00				JE	Modeling 2: lecture_How to account for uncertainties in scenario analysis of future forest development		
1	2025- 1-2	T	9:15 – 12:00			Self study Determining the modelling cases Final project presentation	
			13:15 – 16:00				
	2025- 1-3	F	9:15 – 12:00				
13:15 – 16:00							
2	2024- 1-9	T	9:15 – 12:00	Sal C213, Biocentrum	JE	Modeling 3: Q&A on uncertainties in forest scenario analysis	
			13:15 – 16:00	Sal C213, Biocentrum	JE	Modeling 4: lecture, demonstration and practice	
	2024- 1-10	F	9:15 – 12:00	Sal C213, Biocentrum	JE	Modeling 5: lecture, demonstration and practice	
			13:15 – 16:00	Sal C213, Biocentrum	JE	Modeling 6: discussion	
3	2024- 1-16	T	9:15 – 12:00			Preparation before the final project presentation	
			13:15 – 16:00				
	2024- 1-17	F	9:15 – 12:00	Sal C213, Biocentrum	KZ, MN, AD, JE		
13:15 – 16:00			Sal C213, Biocentrum	KZ, MN, AD, JE	Final project presentation and discussion with all teachers Group 4,5,6	Mandatory	