

Schedule

The parts highlight in grey are not mandatory, but are strongly recommended. Please pay particular attention to the rooms where activities are scheduled, as these change occasionally. The schedule may undergo minor changes during the course. The latest version of the schedule is always available on the course homepage.

Date	Time	Room	Type	Title	Teacher
Week 44					
Tue 1/11	12:15-14:00	Aspen	Intro	Course Introduction	MS, AN
<i>Evolutionary Ecology</i>					
Tue 1/11	14:15-15:00	Aspen	Lecture	Acclimation and adaptation of trees to the abiotic environment: Challenges and opportunities in a changing climate	ZS
Wed 2/11	9:15-12:00	Aspen	Group Discussion	Startup Case Study 1	MS&AN
Thu 3/11	9:15-10:00	Aspen		Introduction computer labs	AN
	13:15-15:00	Zoom	Lecture	Natural selection	MB
	15:15-16:00	Zoom	Lecture	Sex on drugs: Impacts of emerging pharmaceutical contaminants on fitness-related traits and behaviors in fish	MB
Fri 4/11	9:00-11:30	Bokskogen		Information Competence Group	JP
	Own work			Computer lab. 1 (Finches and evolution)	
Week 45					
Mon 7/11	9:15-11:00	Aspen	Lecture	Animal Behavior	AB
	13:15-16:00	Aspen	Lecture	Evolution of Cooperation	AB
Tue 8/11	9:15-12:00	Zoom	Group Discussion	Discussion case study 1	MS&AN
	13:30-15:00	Aspen	Lecture	Disturbance, extreme events and biodiversity	MS
Wed 9/11	9:15-10:00		Online Seminar		
	10:15-11:00	Zoom	Group Discussion	Online Seminar Discussion	AN
Thu 10/11	9:00-10:30	Aspen	Lecture	Sexual Selection	TB
	13:00-14:00	Zoom	Group Discussion	Startup Case Study 2 - climate change and extreme events	MS&AN
Fri 11/11	9:15-11:00	Zoom	Lecture	Population dynamics; Per capita growth rate; The simplest harvest model	JB
	14:15-16:00	Aspen	Lecture	Demography - Measuring births and deaths	NS

Population Ecology						
Week 46						
Mon 14/11	9:15-10:00	Aspen	Lecture	Speciation		AN
	10:30-12:00		Group work	Case study 2 - Climate change – the evidence and current status		
Tue 15/11	9:15-11:00	Aspen	Lecture	Small populations: viability analysis		JB
	13:15-15:00	Aspen	Lecture	Climate Change and Evolution		AN
We 16/11	9:15-12:00	Zoom	Group Discussion	Present case study 2		MS&AN
Thu 17/11	9:15-10:00		Online Seminar Seminar			
	10:15-11:00	Zoom	Group Discussion	Online Seminar Discussion		MS
Fri 18/11		Own Work		Computer lab. 2 Population growth models		
Week 47						
Mon 21/11	13:15-15:00	Aspen	Lecture	Natural Regeneration patterns of boreal forest trees		MCN
	15:15-16:00	Aspen	Lecture	Fires and Forest regeneration in Sweden		TI
Tue 22/11		Own Work	Computer Lab. 3 Patchy prairies			
	13:15-15:00	Aspen	Lecture	Forest Ecosystems Genetics		PA
Wed 23/11		Own Work				
Thu 24/11	9:15-12:00	Zoom	Group Discussion	Startup case study 3		MS&AN
	13:15-15:00	Aspen	Lecture	Life History and trade-offs		SH1
		Own Work	Computer Lab. 4 (Isle Royale)			
Fri 25/11	13:15-16:00	Aspen	Lecture	Seed ecology, plant colonization and spread		AG
Week 48						
Mon 28/11	13:15-16:00	Aspen	Lecture	Introduced species: resource or threat?		JS
Tue 29/11	9:15-12:00	Zoom	Group Discussion	Discuss case study 3		MS&AN
Community Ecology						
	13:15-15:00	Aspen	Lecture	Introduction to community ecology		TL

Wed 30/11	9:15-12:00			Paper reading circle	
Thu 1/12		Own Work	Computer Lab. 5	Top Down Control	
Fri 2/12	9:15-11:00	Zoom	Group Discussion	Paper reading circle seminar	MS
	13:15-14:00	Aspen	Instructions	Instructions for student writing assignment	MS
	14:15-16:00	Aspen	Lecture	Plant-plant interactions	MS
Week 49					
Mon 5/12		Own work		Computer Lab 6. Niche Wars	
	14:30-15:15	Aspen	Lecture	Root traits	CS
	15:30-16:15	Aspen	Lecture	Plants and common mycorrhizal networks	NH
Tue 6/12	10:00-12:00	P-O Bäckströms sal	Lecture	Allelopathy	MCN
	13:15-15:00	Aspen	Seminar	Methods in plant ecology	MCN
Wed 7/12	9:15-11:00	P-O Bäckströms sal	Lecture	Plant-soil interactions	MG
Wed 7/12		Own work		Computer Lab 7: Decomposition	
Thu 8/12	9:15-12:00	Zoom	Group Discussion	Startup case study 4	MS&AN
	13:15-15:00	Aspen	Lecture	Atmospheric Nitrogen Deposition	MG
	15:15-16:00	Aspen	Lecture	Biogeochemical cycling in boreal and arctic landscapes	MM
Fri 9/12	9:15-11:00	Sälgen	Lecture	Megafauna and Earth System Functioning	JC
	13:15-14:00	Aspen	Lecture	Boreal and Arctic Ecology - Traits, herbivory, climate change	MS
Week 50					
Mon 12/12	9:15-10:30	Zoom	Lecture	Pathogens in forest ecology	AN
	10:45-12:00	Zoom	Seminar	Discussion: Pathogens in ecology	AN
	13:15-15:00	Aspen	Lecture	Soil food webs, with a focus on nematodes and protists	PK
Tue 13/12	10:15-12:00	Zoom	Group Discussion	Discuss case study 4	MS&AN
	13:00-14:45	Aspen	Lecture	Diversity, function and ecological networks	MG

	15:00-15:45	Aspen	Lecture	Plant-Mycorrhizae associations in mires	SH2
Wed 14/12	9:15-10:00		Online Seminar		
	10:15-11:00	Zoom	Group Discussion	Online Seminar Discussion	MS
Thur 15/12		Own work		Computer Lab. 8 (Intermediate disturbance)	
Fri 16/12		Own work			
Week 51					
Mon 19/12	9:15-11:00	Aspen	Lecture	Tropical Ecology	AL
	11:15-12:00	Aspen	Lecture	Tropical Ecology - Traits	AL
Tue 20/12	9:15-10:00	Zoom	Lecture	Forest Ecosystem fluxes	MS
	10:15-11:00	Aspen	Lecture	Birch seed ecology and regeneration	FL
Week 52, 1					
Holiday break					
Course Reading and Assignments					
<i>Note that the written Assignment for the Computer Lab is to be uploaded onto canvas at the latest 17:00 on January 4, and peer reviewed at the latest 17:00 on January 10.</i>					
Week 2					
Mon 9/1	9:15-10:00	Zoom	Group Discussion	Case Study Discussion - exercise for oral exam	MS&AN
Tue 10/1				Preparation for the Exam	
Wed 11/1				Preparation for the Exam	
Thu 12/1	9:00-16:00		Written Exam		MS
Fri 13/1	9:00-15:00 Individually scheduled	Zoom (various zoom rooms)		Oral Exam	MS, AN, MG, SH2, MB

SimBio Lab and Chapter Assignments

Lab or Chapter	Open Date	Due Date
Lab 1: Finches and Evolution	Nov-3, 06:00	Nov-13,17:00
Lab 2: Population growth models	Nov-18, 06:00	Nov-27,17:00
Lab 3: Patchy Prairies	Nov-22, 06:00	Dec.-1, 17:00
Lab 4: Isle Royale	Nov-24, 06:00	Dec-4, 17:00
Lab 5: Top down control	Dec.-1, 06:00	Dec-11,17:00
Lab 6: Niche Wars	Dec. 5, 06:00	Jan. 7, 17:00
Lab 7: Decomposition	Dec.-7, 06:00	Jan.-7, 17:00
Lab 8: Intermediate Disturbance	Dec-15, 06:00	Jan-7, 17:00
*Written assignment: lab of your choice		Jan-7, 17:00

*Instructions for the written assignments can be read and turned in within the Canvas portal.

Course Leaders			
MS	Maja Sundqvist	Institutionen för skogens ekologi och skötsel	Course Leader
AN	Anita Norman	Institutionen för vilt, fisk och miljö	Course Co-leader

Course
instructors

ABT	Aida BARGUES Tobella	Institutionen för skogens ekologi och skötsel
AG	Anders Granström	Institutionen för skogens ekologi och skötsel
AL	Arvid Lindh	Institutionen för skogens ekologi och skötsel
CS	Clydecia Spitzer	Institutionen för skogens ekologi och skötsel
FL	Felicia D Lidman	Institutionen för skogens ekologi och skötsel
JS	Johnny Schimmel	Institutionen för skogens ekologi och skötsel
MCN	Marie-Charlotte Nilsson	Institutionen för skogens ekologi och skötsel
MG	Michael Gundale	Institutionen för skogens ekologi och skötsel
MM	Maria Myrstener	Institutionen för skogens ekologi och skötsel
MS	Maja Sundqvist	Institutionen för skogens ekologi och skötsel
NH	Nils Henriksson	Institutionen för skogens ekologi och skötsel
PK	Paul Kardol	Institutionen för skogens ekologi och skötsel
SH2	Stefan Hupperts	Institutionen för skogens ekologi och skötsel
ZS	Zsofia Stangl	Institutionen för skogens ekologi och skötsel
JP	Jonas Petersson	Skogsbiblioteket
AB	Aneesh Bose	Institutionen för Vilt, Fiske och Miljö
AN	Anita Norman	Institutionen för Vilt, Fiske och Miljö
JB	John Ball	Institutionen för Vilt, Fiske och Miljö
JC	Joris Cromsigt	Institutionen för Vilt, Fiske och Miljö
MB	Michael Bertram	Institutionen för Vilt, Fiske och Miljö
NS	Navinder Singh	Institutionen för Vilt, Fiske och Miljö
PA	Petter Axelsson	Institutionen för Vilt, Fiske och Miljö

SH1	Sheila Holmes	Institutionen för Vilt, Fiske och Miljö
TB	Tomas Brodin	Institutionen för Vilt, Fiske och Miljö
TI	Theresa Ibanez	Institutionen för Vilt, Fiske och Miljö
TL	Therese Löfsroth	Institutionen för Vilt, Fiske och Miljö