

## BI1434

### Skogsekologi och naturvård

### Forest Ecology and Conservation Biology

This schedule may undergo minor changes during the course. The latest version is available on the course homepage.

\*Indicates mandatory sessions

Date	Time	Room	Type	Title	Instructor	Reading
<b>Introduction</b>						
Mon 02 Sep	13.00- 15.00	Årsringen	Lecture	Course Introduction	AN/SFH	
Tue 03 Sep	10.00- 12.00	Vita Havet	Lecture	Introduction to forest ecology and conservation biology	SFH	Routledge 1 Ecology 23
	13.00- 15.00	Årsringen	Lecture	Introduction to term project	AN/SFH	
<b>Introduction to Conservation Biology</b>						
Wed 04 Sep	08.30- 12.00			Excursion		
Thu 05 Sep	10.00- 12.00	Årsringen	Lecture	Forest Biodiversity – Historical	AMH	Routledge 2, 21 + Choose one of Routledge 3, 4, or 5
	13.00- 15.00	Årsringen	Lecture	Forest Biodiversity – Contemporary	AMH	
Fri 06 Sep	10.00- 12.00	Årsringen	Lecture	Values and ethics in conservation biology	AN/SFH	

	13.00-15.00	Årsringen	Debate	Values and Ethics	AN/SFH	
<b>Population Ecology</b>						
Mon 09 Sep	09.00-12.00		Lab*	Population Growth Models		Ecology 9, 10
	13.00-15.00	Årsringen	Lecture	Population Ecology I	TH	
Tue 10 Sep	09.00-12.00			Excursion	MC	
	13.00-15.00	Årsringen	Lecture	Population Ecology II	TH	Ecology 11
<b>Community Ecology</b>						
Wed 11 Sep	10.00-12.00	Årsringen	Lecture	Plants – Functional Traits	MS	Ecology 16
Thu 12 Sep	10.00-12.00	Årsringen	Lecture	Plant – Soil Feedback	MS	
	13.00-15.00	Årsringen	Lecture	Plants – Fungi and Mycorrhizal Networks	MS/SFH	Routledge 22
Fri 13 Sep	10.00-12.00	Årsringen	Lecture	Trophic Cascades	RS	Ecology 21
	13.00-16.00		Lab*	Isle Royale		
<b>Ecosystem Ecology</b>						
Mon 16 Sep	10.00-12.00	Laxen	Lecture	Disease & Pest Ecology	AN	
	13.00-15.00	Laxen	Lecture	Invasive Species	AN	
Tue 17 Sep	10.00-12.00		Lab*	Community Dynamics		

	13.00-15.00	Årsringen	Lecture	Forest Ecosystems (incl. C and N)	MG	Routledge 23, 25 Ecology 22
Wed 18 Sep	10.00-12.00	Årsringen	Lecture	Forest Disturbance and Succession	MG	Routledge 10
Thu 19 Sep	10.00-12.00	Årsringen	Lecture	Forest Ecosystem Stability	MG	
	13.00-15.00	Bokskogen	Workshop*	Finding Information	JP	
Fri 20 Sep	09.00-12.00		Lab*	Decomposition		
	13.00-16.00		Lab*	Intermediate Disturbance Hypothesis		
<b>Behavioural Ecology</b>						
Mon 23 Sep	10.00-12.00	Årsringen	Lecture	Animal Behaviour	AB	
	13.00-15.00	Årsringen	Lecture	Sociality	AB	
Tue 24 Sep	10.00-12.00		Lab*	Behavioural Ecology		
	13.00-15.00			Open time		
Wed 25 Sep	10.00-12.00	Laxen	Literature seminar*	Literature Seminar		
Thu 26 Sep	10.00-12.00	Siberian		Term Project Meetings	AN/SFH	Bello et al (2015) <i>Science</i>
	13.00-15.00	Siberien		Term Project Meetings	AN/SFH	

Fri 27 Sep	10.00- 12.00	Laxen	Workshop*	Writing Workshop	MW	
	13.00- 16.00		Lab*	Genetic Drift and Bottlenecked Ferrets		
<b>Evolutionary Ecology</b>						
Mon 30 Sep	10.00- 12.00	Årsringen	Lecture	Population Genetics	YM	Ecology 6
	13.00- 15.00	Årsringen	Lecture	Selection & Speciation	YM	
Tue 01 Oct	10.00- 12.00	Laxen	Lecture	Co-evolution & Adaptive Radiation	YM	
	13.00- 15.00		Lab*	Finches and Evolution		
Wed 02 Oct	10.00- 12.00	Årsringen	Literature seminar*	Literature Seminar		Bradshaw et al (2021) <i>Frontiers in..</i>
<b>Landscape Ecology</b>						
Thu 03 Oct	10.00- 12.00	Årsringen	Lecture	Landscape Ecology I	EH	Routledge 30 Ecology 18
	13.00- 15.00	Årsringen	Lecture	Landscape Ecology II	EH	
Fri 04 Oct	10.00- 12.00	Årsringen	Reading	Landscape Genetics		Feng & Du (2022) <i>Frontiers in...</i>
	13.00- 16.00		Lab*	Patchy Prairies		
<b>Forest Conservation</b>						
Mon 07 Oct	10.00- 12.00	Årsringen	Lecture	Restoration Ecology I	JS	
	13.00- 15.00	Årsringen	Lecture	Restoration Ecology II	NR	

Tue 08 Oct	09.00- 11.00	Årsringen	Lecture	Nature Preservation and Protected Areas	JS	
	13.00- 15.00	Årsringen	Lecture	Climate change	AN	Routledge 36
Wed 09 Oct	10.00- 12.00	Laxen	Lecture	Local to Global – Challenges and Solutions	SMH	
Thu 10 Oct	10.00- 12.00	Laxen	Lecture	Conservation in Practice – Successes and Failures	SMH	
	13.00- 15.00	Laxen	Lecture	Silviculture and conservation from tropic to boreal	MC	Routledge 6 Routledge 28
Fri 11 Oct	10.00- 12.00	Årsringen	Literature Seminar*	Literature Seminar		Bastin et al (2019) <i>Science</i>
	13.00- 15.00		Lab*	Climate Change		
Mon 14 Oct	10.00- 12.00	Årsringen	Lecture	Conservation Tools	AN/SFH	
	13.00- 16.00	Field		Conservation Tools Exercise	AN/SFH	
Tue 15 Oct	10.00- 12.00	Laxen	Lecture	Process data	AN/SFH	
	13.00- 15.00	Laxen	Lecture	Present findings	AN/SFH	
<b>Term Project</b>						
Wed 16 Oct	10.00- 12.00		Self Study	Term Project		
Thu 17 Oct	10.00- 12.00		Self Study	Term Project		

	13.00-16.00		Self Study	Term Project		
Fri 18 Oct	10.00-12.00		Self Study	Term Project		
	13.00-15.00		Self Study	Term Project		
Mon 21 Oct	09.00-12.00		Self Study	Term Project		
	13.00-15.00		Self Study	Term Project		
Tue 22 Oct	09.00-16.00		Self Study	Term Project		
	13.00-15.00		Self Study	Term Project Written Due: 23:59		
Wed 23 Oct	09.00-16.00		Self Study	Term Project		
Thu 24 Oct	09.00-16.00		Self Study	Term Project		
Fri 25 Oct	09.00-16.00	Årsringen	*	Oral Presentations		
<b>Final Exam</b>						
Mon 28 Oct	09.00-12.00		Self Study	Study Time		
	13.00-16.00		Self Study	Study Time		
Tue 29 Oct	10.00-12.00		Self Study	Study Time		
	13.00-16.00		Self Study	Study Time		
Wed 30 Oct	09.00-12.00	Vita Havet	Exam	Written Exam		

Thu 31 Oct	09.00- 12.00	Vita Havet	Exam	Oral Exam		
	13.00- 15.00	Årsringen	Lecture* (Mandatory)	Course Conclusion		

### Course Leaders

AN	Anita Norman	Institutionen för vilt, fisk och miljö
SFH	Stefan Hupperts	Institutionen för skogens ekologi och skötsel

### Course Instructors

AB	Aneesh Bose	Institutionen för vilt, fisk och miljö
AMH	Anne-Maarit Hekkala	Institutionen för vilt, fisk och miljö
EH	Eliza Hasselquist	Institutionen för skogens ekologi och skötsel
JP	Jonas Petersson	Library
JS	Johan Svensson	Institutionen för vilt, fisk och miljö
MC	Marija Cosovic	Institutionen för skogens ekologi och skötsel
MG	Michael Gundale	Institutionen för skogens ekologi och skötsel
MS	Maja Sundqvist	Institutionen för skogens ekologi och skötsel
MW	Maria Wiklund	Library
RS	Robert Spitzer	Institutionen för vilt, fisk och miljö
SMH	Sheila Holmes	Institutionen för vilt, fisk och miljö
TH	Tim Hofmeester	Institutionen för vilt, fisk och miljö
YM	Yonas Meheretu	Institutionen för vilt, fisk och miljö