

2021 Course Schedule for: BI1312 (18 Feb-23 Mar)

Grundläggande zoologi, evolution och husdjurens historia

Principles of Zoology, Evolution and the Natural History of Domestic Animals

Course Leader:

Matthew Low matt.low@slu.se at the Department of Ecology, SLU. **Mobile: 072 5767911**

Course Administrator:

Åsa Berggren asa.berggren@slu.se at the Department of Ecology, SLU

Zoom and Canvas:

<https://slu-se.zoom.us/j/63503096603> passcode: 899084

Lectures and your oral presentation will be delivered via Zoom and course materials uploaded into CANVAS

The final written exam will be done as an 'at home' distance exam. Sadly it will all be 'virtual' this year. But we'll make it work :)

NOTE that the 'core concepts' lectures you are strongly encouraged to attend

Also note that lectures will start at the times specified (not 5 minutes after), so please be on time since we will have small discussions throughout the lectures that build on concepts earlier in the lecture. Lectures will often finish earlier than specified.

Language:

Most of the 'core concepts' lectures will be in English and most of the 'species lectures' will be in Swedish. Thus you will get a good exposure to the concepts this course covers in both languages, which is really valuable when you are accessing published material online or in textbooks and for communicating with your colleagues in the future. I understand that English will feel a little scary for some of you...but it's ok to feel that way. We'll take it slow and you'll be able to discuss and present ideas in Swedish and do your projects and answer your exam in Swedish if you choose. We've been running this course for a few years now and the students who were nervous at the start find this course really builds their confidence in English. I am hoping we can continue this positive atmosphere of learning in both languages despite having to teach in Zoom this year.

Lecturers on this course:

Matt Low - Evolutionary ecologist & Veterinarian @ SLU

Åsa Berggren - Ecologist & conservation biologist @ SLU

Anna-Maria Johansson - Population geneticist @ SLU

Ingvar Svanberg - Researcher in ethnobiology & companion animals @ Uppsala University

Carl-Gustaf Thulin - Evolutionary genetics & rewilding of domestic animals @ SLU

Elke Hartman - Horse behaviour & welfare @ SLU

Mikael Åkesson - Genetics in Scandinavian wolves @ SLU

Örjan Johansson - Snow leopard ecology and conservation @ SLU

Barbara Locke - Honey bee ecology & diseases @ SLU

Jannie Teinler - Centre for Academic Language @ SLU

Weeks 1 & 2 - Core Concepts Lectures

Date	Time	Lecture	Who	Where
core concepts lectures				
Tor 18 Feb	9:30-10:30	Kursstart Introduktion	Matt Low	Sadly it's all Zoom this year
	10:30-12:00	Evolution & Natural Selection	Matt Low	
	13:00-15:30	Evolution & Natural Selection	Matt Low	
Fre 19 Feb	9:30-12:00	Evolution & Sexual Selection	Matt Low	
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core concepts lectures				
Mon 22 Feb	9:30-12:00	Artificial Selection & Systematics	Matt Low	
	13:00-15:30	Domestication in an evolutionary context	Matt Low	
Tis 23 Feb	9:30-12:00	Cultural Evolution in animals and humans	Matt Low	
	13:00-15:30	Domesticeringens kulturhistoria	Ingvar Svanberg	
Ons 24 Feb	9:30-12:00	Key concepts in ecology for domestic animals	Matt Low	
	13:00-15:30	Comparative morphology of domestic animals	Matt Low	
Tor 25 Feb	9:30-12:00	Understanding your pet bird	Matt Low	
	13:00-15:30	Applied animal behaviour in practice	Matt Low	
Fre 26 Feb	9:30-12:00	Evolutionary medicine & welfare	Matt Low	
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Week 3 - Species Lectures

Date	Time	Lecture	Who	Where
now some fun stuff!				
Mon 1 Mar	9:30-12:00	Domesticering av hunden	Ingvar Svanberg	
	13:00-15:30	Vargar och hundar	Micke Åkesson	
Tis 2 Mar	9:30-12:00	Kattens domesticering och historia	Anna-Maria Johansson	
	13:00-15:00	Är snöleoparden bara en större katt?	Örjan Johansson	
Ons 3 Mar	9:30-12:00	Lantbruksdjurens domesticering och historia	Anna-Maria Johansson	
	13:00-15:30	Opportunities and challenges with rewilding species	Carl-Gustaf Thulin	
Tor 4 Mar	9:30-11:30	Hästens domesticering och historia	Anna-Maria Johansson	
	13:00-15:30	Ecosystem function of semi-feral horses	Carl-Gustaf Thulin	
Fre 5 Mar	9:30-12:00	Dominance, lederskap och hur tänker din häst?	Elke Hartman	

Week 4 - Course Project & Oral Presentation

Date	Time	Lecture	Who	Where
Mon 8 Mar	9:30-10:45	The ecology of domestic honey bees	Barbara Locke	
	11:00-12:00	Domesticating insects for future food	Åsa Berggren	
	13:00-14:30	Project Introduction & group formation	Matt Low	Zoom
	14:30-17:00	Project work (continued...)		
Tis 9 Mar	9:00-17:00	Project work (continued...)		
Ons 10 Mar	9:30-12:00	Workshop i presentationsteknik in Zoom & powerpoint	Jannie Teinler	Zoom
	13:00-17:00	Project work (continued...)		
Tor 11 Mar	9:00-17:00	Project work (continued...)		
Fre 12 Mar	9:30-12:00	Project presentations	Matt Low	Zoom
	13:00-15:00	Project presentations (if time is needed)		

Week 5 - Revision & Exam

Date	Time	Lecture	Who	Where
Mon 15 Mar	9:30-12:00	Course summary, exam tips & questions answered	Matt Low	
Tis 16 Mar		exam preparation & revision		
Ons 17 Mar		exam preparation & revision		
Tor 18 Mar		exam preparation & revision		
Fre 19 Mar	9:00-16:00	HOME EXAM (sorry...)		kitchen or bedroom
		Deep breath and relax		
		Ledig (yay!)		