

HV0167 Animal genetics - health, behaviour and welfare

Note that most course activities are scheduled on Campus

Compulsory course activities in bold

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Course leader: Åsa Ohlsson

Week	Date	Day	Time	Activity	Teacher	Course moment	Location	Literature ref.no.	
12	2024-03-20	Wednesday	9:15-9:45	Course introduction	ÅO	Course introduction and practicalities	Ulls Hus, Sal U		
	2024-03-20	Wednesday	10:00-12:00	Lecture	ÅO	Genomics, <i>basics</i>	Ulls Hus, Sal U		
	2024-03-21	Thursday		Lecture	ES	Statistical analyses, <i>basics</i> <i>Recorded video</i>	Canvas	39	
			13:00-14:30	Discussion	ES	Statistical analyses, <i>basics</i> Questions and discussion on recorded lecture.	Ulls hus, Sal Y	39	
	2024-03-22	Friday		10:00-12:00	Lecture	LR	Recording behaviour and disease	Ulls hus, Sal Q	9, 10
							Quiz Genomics Quiz Statistical analyses	Canvas	
13	2024-03-25	Monday	10:00-12:00	Lecture	LR	Animal breeding, <i>basics</i>	Ulls Hus, Sal Y	26,	
	Quiz Animal breeding							Canvas	
	2024-03-26	Tuesday		9:00-12:00	<i>Time for own studies</i>				
				13:00-15:00	Discussion/ group work	ÅO	Discussion Genomic/Statistics/breeding	Ulls Hus, Sal R, *	40, 41
	2024-03-27	Wednesday		10:00-12:00	Lecture	LR	Estimation of genetic parameters for behaviour and health	Ulls Hus, Sal Q	16
	2024-03-28	Thursday		9:00-12:00	<i>Time for own studies</i>				
2024-03-29	Friday	EASTER HOLIDAY							
14	2024-04-01	Monday	EASTER HOLIDAY						
	2024-04-02	Tuesday		10:00-12:00	Lecture	LK	Animal welfare, <i>basics</i>	Ulls Hus, Sal Y	21, 24
				13:00-15:00	Lecture	LS	Ethology, <i>basics</i>	Ulls Hus, Sal R	13
	2024-04-03	Wednesday		10:00-12:00	Lecture	KA	Epidemiology	Ulls Hus, Sal R	23
	Quiz Ethology Quiz Animal welfare							Canvas	
	2024-04-04	Thursday		9:00-12:00	<i>Time for own studies</i>				
13:00-15:00				Discussion/ group work	LS	Discussion ethology/welfare	Ulls Hus, Sal Y, *		
2024-04-05	Friday		9:15-16:00	Discussion		Case group work Step 1 (1 st)	Organized by students	2, 18, 28	

* Ultunabiblioteket, Brauner, Juhlin-Dannerfelt, Rudbeck, Von Post Ultunabiblioteket

Week	Date	Day	Time	Activity	Teacher	Course moment	Location	Literature ref.no.	
15	2024-04-08	Monday	9:00-12:00			<i>Time for own studies</i>			
			13:00-15:30	Discussion	ÅO	Check point: Case group work Step 1	Ulls Hus, Sal R		
	2024-04-09	Tuesday	9:00-12:00	Discussion	ÅO	Individual project idea	Ulls Hus, Sal Y	38	
			13:00-16:00	Group work		Case group work Step 1 (2 nd)	Organized by students		
	2024-04-10	Wednesday				<i>Time for own studies</i>			
	2024-04-11	Thursday			Group work		Case group work Step 1 (3 rd)	Organized by students	
2024-04-12	Friday					<i>Time for own studies</i>			
16	2024-04-15	Monday	9:15-16:00	Exercise	ES	Computer exercise 1	Ulls Hus, Sal R	20	
			17:00	Group work		Hand in report: Case group work Step 1	Canvas		
	2024-04-22	Monday	10:00-12:00	Lecture	GA	Molecular genetics I	Ulls Hus, Sal Q	8, 17, 27, 33, 35	
	2024-04-17	Wednesday				<i>Time for own studies</i>			
	2024-04-18	Thursday				<i>Time for own studies</i>			
	2024-04-19	Friday			Report	LR	Presentations: Case group work Step 1	Stor sal =>30	32a-b
17	2024-04-22	Monday	10:00-12:00	Lecture	TB	Molecular genetics II	Ulls Hus, Sal Y	30, 31, 34, 36	
	2024-04-22	Monday	15:00			Hand in computer exercise 1	Canvas		
	2024-04-23	Tuesday	9:15-11:00	Lecture	GA	Epigenetics	Ulls Hus, Sal Y	15	
			11:15-12:00	Lecture	ÅO	Methods in molecular genetics	Ulls Hus, Sal Y		
	2024-04-24	Wednesday			Group work		Case group work Step 2 (1 st)	Organized by students	
	2024-04-25	Thursday			Discussion	ÅO	Check point: Case group work Step 2	Ulls Hus, Sal Q	
2024-04-26	Friday	10:00-12:00	Lecture	LR	Genetic evaluation	Ulls Hus, Sal R	37		
		13:00-16:00	Group work		Case group work Step 2 (2 nd)	Organized by students			

Week	Date	Day	Time	Activity	Teacher	Course moment	Location	Literature ref.no.
18	2024-04-29	Monday	10:00-12:00	Lecture	LR	Selection I	Ulls Hus, Sal Y	14, 22
	2024-04-30	Tuesday	9:00-12:00			<i>Time for own studies</i>		
	2024-05-01	Wednesday	May 1st					
	2024-05-02	Thursday	13:00-15:00	Lecture	LR	Selection II	Ulls Hus, Sal Y	5, 6
	2024-05-03	Friday	9:00-12:00	Group work		Case group work Step 2 (3 rd)	Organized by students	
	2024-05-03	Friday	13:00-15:00	Group discussion		Discussion about genetic evaluation of dogs	Organized by students	1
19	2024-05-06	Monday	10:00-12:00	Lecture	MJ	From single genes to genomic selection	Ulls Hus, Sal Y	4
			13:00-16:00			<i>Time for own studies</i>		
	2024-05-07	Tuesday	9:15-15:00	Exercise	ES	Computer exercise 2	Ulls Hus, Sal Q	
			16:00			Hand in report: Case group work Step 2	Canvas	
	2024-05-08	Wednesday	9:00-12:00			<i>Time for own studies</i>		
	2024-05-09	Thursday	Kristi himmelfärdsdag (Holiday)					
	2024-05-10	Friday	9:15-16:00	Report	ÅO	Presentations: Case group work Step 2	Ulls Hus, Sal Y	
20	2024-05-13	Monday	10:00-12:00	Lecture	LR	Breeding program I	Ulls Hus, Sal Y	7, 19, 3
						Hand in individual project draft		
	2024-05-14	Tuesday	10:00-12:00	Lecture	LR	Breeding program II	Ulls Hus, Sal Y	11, 25
	2024-05-14	Tuesday	13:00-16:00	Group work		Case group work Step 3 (1 st)	Organized by students	
	2024-05-15	Wednesday	10:00-11:30	Discussion	ÅO	Check point: Case group work Step 3	Ulls Hus, Sal Y	
	2024-05-15	Wednesday	9:00-12:00			<i>Time for own studies</i>		
				13:00			Hand in computer exercise 2	Canvas
	2024-05-16	Thursday	10:00-12:00	Lecture	JP	Breeding program: Fur animals	Ulls Hus, Sal R	
			13:00-15:00	Lecture	ÅO	Learning outcomes from international health programs in cats	Ulls Hus, Sal Y	40, 41
	2024-05-17	Friday	9:00-16:00			<i>Time for own studies</i>		
						<i>Feedback individual project draft</i>	E-mail	

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22	2024-05-20	Monday	9:00-12:00			<i>Time for own studies</i>		
		Monday	13:00-16:00	Group work		Case group work Step 3 (2 nd)	Organized by students	
	2024-05-21	Tuesday	9:00-16:00			<i>Time for own studies</i>		
	2024-05-22	Wednesday	9:00-12:00	Group work		Case group work Step 3 (3 rd)	Organized by students	
		Thursday	9:00-16:00			<i>Time for own studies</i>		
	2024-05-24	Friday	"Thesis day"					
			15:00			Hand in individual project final		
22	2024-05-27	Monday	13:00			Hand in report: Case group work Step 3		
	2024-05-28	Tuesday	9:15-16:00	Report	LR/HR	Presentations: Case group work Step 3	Undervisningshuset, Sal O2	32a-b
	2024-05-29	Wednesday				Hand in application evaluations	Canvas	
	2024-05-30	Thursday	9:15-16:00	Report	ÅO	Individual project report and discussion	Ulls Hus, Sal Y	
	2024-05-31	Friday	9:15-16:00	Report	ÅO	Individual project report and discussion + Course evaluation	Ulls Hus, Sal Y	

Teachers

ÅO	Åsa Ohlsson	TB	Tomas Bergström
GA	Göran Andersson	JP	Jussi Peura
ES	Erling Strandberg	MJ	Martin Johnsson
KA	Karin Alvåsen	TV	Tytti Vanhala
LR	Lotta Rydhmer	HR	Helena Röcklinsberg
LS	Lena Skånberg		
LK	Linda Keeling		