## **HV0189** Basic Animal Breeding and Genetics

## Schedule for autumn semester 2023.

Week	Day	Date	Time	Торіс	Where
36	Tue	Sep 5	18.00-19.00	Introduction meeting	zoom
				(email course leader if you	
				can not attend)	
38	Tue	Sep 19	18.00-19.00	Ask questions to teacher	zoom
40	Tue	Oct 3	18.00-19.00	Ask questions to teacher	zoom
41	Wed	Oct 11	19.00	Deadline for assignment 1	Canvas
42	Tue	Oct 17	18.00-19.00	Group discussion, and ask	zoom
				questions to teacher	
44	Tue	Oct 31	18.00-19.00	Ask questions to teacher	zoom
45	Wed	Nov 8	19.00	Deadline for assignment 2	Canvas
46	Tue	Nov 14	18.00-19.00	Ask questions to teacher	zoom
48	Tue	Nov 28	18.00-19.00	Ask questions to teacher	zoom
49	Wed	Dec 6	19.00	Deadline for assignment 3	Canvas
50	Tue	Dec 12	18.00-19.00	Group discussion, and ask	zoom
				questions to teacher	
1	Tue	Jan 2	18.00-19.00	Ask questions to teacher	zoom
2	Tue	Jan 9	8.00-11.00	Written exam*	Canvas
		Jan 9-13	Select time	Oral exam	zoom
	Fri	Jan 12	19.00	Deadline for assignment 4	Canvas
8	Wed	Feb 21	13.00-16.00	First written re-exam*	Canvas
		Feb	Select time	Oral re-exam	zoom
		Jun (day		Second re-exam*	Canvas
		not yet			+ zoom
		decided)			

## Scheduled events in the course

\*The written exam is followed by a 15 minutes oral exam in zoom either the same day as the written exam or another day the same week. You will be allowed to choose a time among a list of suggested times.

Literature per week							
Week	Date	Chapter in Introduction to	Recommended				
		veterinary genetics	exercises in the pdf in				
			Canvas				
35	Aug 28 - Sep 1	1 Basic genetics	Questions 1-3				
36	Sep 4-8	1 Basic genetics	Questions 5-8				
37	Sep 11-15	2 Molecular Biology					
38	Sep 18-22	2 Molecular Biology					
39	Sep 25 – 29	3 Single-gene disorders	Question 14				
40	Oct 2-6	4 Chromosomal aberrations					

## Literature per week

41	Oct 9-13	5 Single genes in populations	Questions 9-13
4.2	Oct 16-20	6 Familial disorders not due	
72	00010-20	to a single gene	
		7 is it inherited	
43	Oct 23-27	10 Hosts parasites and	
75	00025-27	nothogons (ontional to also	
		read chapter 8	
		Immunogenetics)	
1.1.	Oct 30 - Nov 3	11 Single genes in animal	
тт	000 30-1100 3	hreeding	
45	Nov 6-10	12 Relationship and	Questions 15-17
-13		inbreeding	Questions 15 17
46	Nov 13-17	13 Quantitative variation	Questions 18-21
40	Nov 10 17	14 Selection between	Questions 10 21
т/	100 20 24	nonulations	Questions 22 25
		15 Selection within	
		nonulations	
48	Nov 27 - Dec	16 Breed structure	
10	1		
49	Dec 4-8	17 Crossing	
		18 Selection and regular	
		crossing	
50	Dec 11-15	19 Biotechnology and the	
		future	
51	Dec 18-22	20 Conservation genetics	Questions 24-25
1	January 2-5	21 Genetic and	
		environmental control of	
		inherited disorders	
2	January 8-12	Written Exam and last	
		assignment, no new	
		literature	

There is also one quiz in Canvas to each chapter

Course leader:

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