HV0189 Basic Animal Breeding and Genetics

Schedule for autumn semester 2024.

Week	Day	Date	Time	Торіс	Where
37	Tue	Sep 10	19.00-20.00	Introduction meeting	zoom
				(email course leader if you	
				can not attend)	
39	Tue	Sep 24	19.00-20.00	Ask questions to teacher	zoom
41	Tue	Oct 8	19.00-20.00	Ask questions to teacher	zoom
41	Wed	Oct 9	19.00	Deadline for assignment 1	Canvas
43	Tue	Oct 22	19.00-20.00	Group discussion, and ask questions to teacher	zoom
45	Tue	Nov 5	19.00-20.00	Ask questions to teacher	zoom
45	Wed	Nov 6	19.00	Deadline for assignment 2	Canvas
47	Tue	Nov 19	19.00-20.00	Ask questions to teacher	zoom
49	Tue	Dec 3	19.00-20.00	Ask questions to teacher	zoom
49	Wed	Dec 4	19.00	Deadline for assignment 3	Canvas
51	Tue	Dec 17	19.00-20.00	Group discussion, and ask	zoom
				questions to teacher	
2	Tue	Jan 7	19.00-20.00	Ask questions to teacher	zoom
2	Tue	Jan 14	19.00	Deadline for assignment 4	Canvas
		Jan 15-17	Select time*	Oral exam	zoom
	Fri	Jan 17	19.00	Deadline for assignments	Canvas
				for higher grade	
9		Feb 25-26	Select time*	Oral re-exam	zoom
		Jun 9-11	Select time*	Second oral re-exam*	zoom

Scheduled events in the course

* You will be allowed to choose a time among a list of suggested times.

Literature per week

Week	Date	Chapter in Introduction to veterinary genetics	Recommended exercises in the pdf in
			Canvas
36	Sep 2-6	1 Basic genetics	Questions 1-2
37	Sep 9-13	1 Basic genetics	Questions 3-6
38	Sep 16-20	1 Basic genetics	Questions 7-8
39	Sep 23-27	2 Molecular Biology	
40	Sep 30-Oct 4	2 Molecular Biology	
41	Oct 7-11	3 Single-gene disorders	Question 14
42	Oct 14-18	4 Chromosomal	
		aberrations	
43	Oct 21-25	5 Single genes in	Questions 9-13
		populations	
44	Oct 28-Nov 1	6 Familial disorders not	
		due to a single gene	

		7 is it inherited	
45 Nov 4-8		10 Hosts, parasites, and	
		pathogens (optional to	
		also read chapter 8	
		Immunogenetics)	
		11 Single genes in animal	
		breeding	
46	Nov 11-15	12 Relationship and	Questions 15-17
		inbreeding	
47	Nov 18-22	13 Quantitative variation	Questions 18-21
48	Nov 25-29	14 Selection between	Questions 22-23
		populations	
		15 Selection within	
		populations	
49	Dec 2-6	16 Breed structure	
50	Dec 9-13	17 Crossing	
		18 Selection and regular	
		crossing	
51-52	Dec 16-23	19 Biotechnology and the	Questions 24-25
		future	
		20 Conservation genetics	
1-2	Jan 2-10	21 Genetic and	
		environmental control of	
		inherited disorders	
3	January 13-17 Oral exam and last		
		assignments, no new	
		literature	

There is also one quiz in Canvas to each chapter that is compulsory to do. You are allowed multiple attempts on the quizzes.

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