HV0189 Basic Animal Breeding and Genetics

Schedule for autumn semester 2022.
Updated 2022-05-20

Scheduled events in the course

Week	Day	Date	Time	Topic	Where
36	Mon	Sep 5	16.00-17.00	Introduction meeting (email course leader if you can not attend)	zoom
38	Mon	Sep 19	16.00-17.00	Ask questions to teacher	zoom
40	Mon	Oct 3	16.00-17.00	Ask questions to teacher	zoom
41	Wed	Oct 12	19.00	Deadline for assignment 1	Canvas
42	Mon	Oct 17	16.00-17.00	Group discussion, and ask questions to teacher	zoom
44	Mon	Oct 31	16.00-17.00	Ask questions to teacher	zoom
45	Wed	Nov 9	19.00	Deadline for assignment 2	Canvas
46	Mon	Nov 14	16.00-17.00	Ask questions to teacher	zoom
48	Mon	Nov 28	16.00-17.00	Ask questions to teacher	zoom
49	Wed	Dec 7	19.00	Deadline for assignment 3	Canvas
50	Mon	Dec 12	16.00-17.00	Group discussion, and ask questions to teacher	zoom
1	Mon	Jan 2	16.00-17.00	Ask questions to teacher	zoom
2	Tue	Jan 10	8.00-11.00	Written exam*	Canvas
		Jan 10-14	Select time	Oral exam	zoom
	Fri	Jan 13	19.00	Deadline for assignment 4	Canvas
8	Wed	Feb 22	13.00-16.00	First written re-exam*	Canvas
		Feb	Select time	Oral re-exam	zoom
		Jun (day not yet decided)		Second re-exam*	Canvas

*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 veterinary genetics	Recommended exercises in the pdf in Canvas
35	Aug 29 - Sep 2	1 Basic genetics	Questions 1-3
36	Sep 5-9	1 Basic genetics	Questions 5-8
37	Sep 12-16	2 Molecular Biology	
38	Sep 19-23	2 Molecular Biology	
39	Sep 26 - 30	3 Single-gene disorders	Question 14
40	Oct 3-7	4 Chromosomal aberrations	

41	Oct 10-14	5 Single genes in populations	Questions 9-13
42	Oct 17-21	6 Familial disorders not due to a single gene 7 is it inherited	
43	Oct 24-28	10 Hosts, parasites, and pathogens (optional to also read chapter 8 Immunogenetics)	
44	Oct 31–Nov 4	11 Single genes in animal breeding	
45	Nov 7-11	12 Relationship and inbreeding	Questions 15-17
46	Nov 14-18	13 Quantitative variation	Questions 18-21
47	Nov 21-25	14 Selection between populations 15 Selection within populations	Questions 22-23
48	Nov 28 - Dec 2	16 Breed structure	
49	Dec 5-9	17 Crossing 18 Selection and regular crossing	
50	Dec 12-16	19 Biotechnology and the future	
51	Dec 19-23	20 Conservation genetics	Questions 24-25
1	January 2-5	21 Genetic and environmental control of inherited disorders	
2	January 9-13	Written Exam January 10	

There is also one quiz in Canvas to each chapter

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