HV0189 Basic Animal Breeding and Genetics

Schedule for autumn semester 2021.

Updated 2021-09-13

Scheduled events in the course

Week	Day	Date	Time	Topic	Where
36	Thu	Sep 9	16.00-17.00	Introduction meeting	zoom
				(email course leader if you	
				can not attend)	
38	Mon	Sep 20	12.00-13.00	Ask questions to teacher zoom	
39	Thu	Sep 30	16.00-17.00	Ask questions to teacher	zoom
41	Thu	Oct 14	16.00-17.00	Ask questions to teacher	zoom
	Fri	Oct 15	19.00	Deadline for assignment 1	Canvas
43	Thu	Oct 28	16.00-17.00	Ask questions to teacher	zoom
45	Mon	Nov 8	12.00-13.00	Ask questions to teacher	zoom
	Fri	Nov 12	19.00	Deadline for assignment 2	Canvas
47	Thu	Nov 25	16.00-17.00	Ask questions to teacher	zoom
49 Thu Dec 9 1		16.00-17.00	Ask questions to teacher	zoom	
	Fri	Dec 10	19.00	Deadline for assignment 3	Canvas
50	Thu	Dec 16	16.00-17.00	Ask questions to teacher	zoom
1	Mon	Jan 3	12.00-13.00	Ask questions to teacher	zoom
2	Tue	Jan 11	8.00-11.00	Written exam*	Canvas
	Fri	Jan 14	19.00	Deadline for assignment 4	Canvas
		Feb 23	13.00-16.00	First re-exam*	Canvas
		Jun 2022		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 allow to choose a time among a list of suggested times.

Days and time for question time in zoom will be determined by voting among the students during the first weeks of the course.

Literature per week

Week	Date	Chapter in Introduction to veterinary genetics	Recommended exercises in the pdf in Canvas
35	Aug 30 - Sep 3	1 Basic genetics	Questions 1-3
36	Sep 6-10	1 Basic genetics	Questions 5-8
37	Sep 13-27	2 Molecular Biology	
38	Sep 20-24	2 Molecular Biology	
39	Sep 27 - Oct 1	3 Single-gene disorders	Question 14
40	Oct 4-8	4 Chromosomal aberrations	
41	Oct 11-15	5 Single genes in populations	Questions 9-13
42	Oct 18-22	6 Familial disorders not due	
		to a single gene 7 is it inherited	

43	Oct 25-29	10 Hosts, parasites, and	
		pathogens (optional to also	
		read chapter 8	
		Immunogenetics)	
44	Nov 1-5	11 Single genes in animal	
		breeding	
45	Nov 8-12	12 Relationship and	Questions 15-17
		inbreeding	
46	Nov 15-19	13 Quantitative variation	Questions 18-21
47	Nov 22-26	14 Selection between	Questions 22-23
		populations	
		15 Selection within	
		populations	
48	Nov 29 - Dec 3	16 Breed structure	
49	Dec 6-10	17 Crossing	
		18 Selection and regular	
		crossing	
50	Dec 13-17	19 Biotechnology and the	
		future	
51	Dec 20-23	20 Conservation genetics	Questions 24-25
1	January 3-7	21 Genetic and	
		environmental control of	
		inherited disorders	
2	January 10-14	Written Exam January 11	

There is also one quiz in Canvas to each chapter

Course leader:

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