

## Course Schedule

### VM0130 Clinical genomics in veterinary medicine, 7.5 Credits Spring semester 2024

20231214\_GL

L: Lecture; G: Group Discussion; C: Computer exercise (compulsory); D: Dry laboration (compulsory)

W	Day	Date	Time	Subject/Activity	Teacher	Where
				<b>THEME 1</b> <b>Genes, genomes and gene expression</b>		
<b>3</b>	Mon	Jan 15	14.00-15.00 15.00-17.00	Introduction meeting, course overview L1: Genome structure and function	GL SM	Zoom Zoom
	Tue	Jan 16		Read course literature linked to lecture 1	Own studies	
	Wed	Jan 17		Read course literature linked to lecture 1	Own studies	
	Thu	Jan 18	14.00-16.00	L2: Transcriptome and transcriptional regulation	GA	Zoom
	Fri	Jan 19	Deadline 17.00	Assignment Lecture 1	(SM)	Canvas
	Sat	Jan 20				
	Sun	Jan 21				
	<b>4</b>	Mon	Jan 22	15.00-17.00	L3: Genetic diversity and polymorphism	SM
Tue		Jan 23		Read course literature linked to lecture 2	Own studies	
Wed		Jan 24	Deadline 17.00	Assignment Lecture 2	(GA)	Canvas
Thu		Jan 25		Read course literature linked to lecture 3	Own studies	

	Fri	Jan 26	Deadline 17.00	Assignment Lecture 3	(SM)	Canvas
	Sat	Jan 27				
	Sun	Jan 28				
5	Mon	Jan 29	15.00-17.00	<b>THEME 2</b> <b>Genetics and epigenetics in disease</b>  L4: Genome mapping of disease and defects	GL	Zoom
	Tue	Jan 30	1	Read course literature linked to lecture 4	Own studies	
	Wed	Jan 31		Read course literature linked to lecture 4	Own studies	
	Thu	Feb 1	15.00-17.00	L5: A translocation associated with gonadal hypoplasia in cattle	AJ	Prerecorded lecture
	Fri	Feb 2	13.00-17.00  Deadline 17.00	Read course literature linked to lecture 5  Assignment Lecture 4	Own studies  (GL)	Canvas
	Sat	Feb 3				
	Sun	Feb 4				
6	Mon	Feb 5	15.00-17.00  Deadline 17.00	L6: Epigenetics in disease  Assignment Lecture 5	GA  (AJ)	Zoom  Canvas
	Tue	Feb 6		Read course literature linked to lecture 6	Own studies	
	Wed	Feb 7	14.00-14.30  14.30-17.00	C: Introduction to computer exercise  C: Computer exercise	GA  Own studies	Zoom  Online
	Thu	Feb 8		Read course literature linked to lecture 6	Own studies	
	Fri	Feb 9	Deadline 17.00	Assignment Lecture 6	(GA)	Canvas
	Sat	Feb 10				
	Sun	Feb 11				

7	Mon	Feb 12	13.00-17.00	Read course literature for Group discussion 1: Mitochondrial disease	Own studies	
	Tue	Feb 13	13.00-17.00	Read course literature for Group discussion 1: Mitochondrial disease	Own studies	
	Wed	Feb 14	14.00-16.00	Group Discussion 1: Mitochondrial disease	GL	Zoom
	Thu	Feb 15	14.00-16.00	<b>THEME 3</b> <b>Genetics and genomics in a clinical setting</b>  L7: Clinical sequencing	GL	Zoom
	Fri	Feb 16	13.00-17.00	Read course literature linked to lecture 7	Own studies	
	Sat	Feb 17				
	Sun	Feb 18				
8	Mon	Feb 19	13.00-17.00	Read course literature linked to lecture 7	Own studies	
	Tue	Feb 20	13.00-17.00	Read course literature linked to lecture 7	Own studies	
	Wed	Feb 21	Deadline 17.00	Assignment Lecture 7	(GL)	Canvas
	Thu	Feb 22	14.00-16.00	L8: Molecular genetic diagnostics	SM	Zoom
	Fri	Feb 23	13.00-17.00	Read course literature linked to lecture 8	Own studies	
	Sat	Feb 24				
	Sun	Feb 25				
9	Mon	Feb 26	13.00-17.00	Read course literature linked to lecture 8	Own studies	
	Tue	Feb 27	13.00-17.00	Read course literature linked to lecture 8	Own studies	
	Wed	Feb 28	Deadline 17.00	Assignment Lecture 8	(SM)	Canvas
	Thu	Feb 29	14.00-14.30  14.30-17.00	<a href="#">D: Introduction to Dry laboration</a>  <a href="#">D: Dry laboration</a>	GL  Own studies	Zoom  Online

	Fri	March 1	13.00-17.00	Read course literature for Group discussion 2: Cloning, transgenic animals, gene therapy and ethics	Own studies	
	Sat	March 2				
	Sun	March 3				
<b>10</b>	Mon	March 4	13.00-17.00	Read course literature for Group discussion 2: Cloning, transgenic animals, gene therapy and ethics	Own studies	
	Tue	March 5	13.00-17.00	Read course literature for Group discussion 2: Cloning, transgenic animals, gene therapy and ethics	Own studies	
	Wed	March 6	13.00-17.00	Read course literature for Group discussion 2: Cloning, transgenic animals, gene therapy and ethics	Own studies	
	Thu	March 7	14.00-16.00	Group discussion 2: Cloning, transgenic animals, gene therapy and ethics	GA	Zoom
	Fri	March 8	14.00-16.00	L9: Cytogenetics	GL	Zoom
	Sat	March 9				
	Sun	March 10				
	<b>11</b>	Mon	March 11	13.00-17.00	Read course literature linked to lecture 9	Own studies
Tue		March 12	13.00-17.00 Deadline 17.00	Assignment Lecture 9	(GL)	Canvas
Wed		March 13	13.00-17.00	Time for questions before exam	SM/GA/GL	Zoom
Thu		March 14	13.00-17.00	Reading and preparations for exam	Own studies	
Fri		March 15	13.00-17.00	Reading and preparations for exam	Own studies	
Sat		March 16				
Sun		March 17				

12	Mon	March 18	13.00-17.00	Reading and preparations for exam	Own studies	
	Tue	March 19	9.00-16.00	Oral examination	GL	Zoom, separate schedule

**Teachers:**

Teacher		Contact via email
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