

V	Date	Week day	Time	Activity	Title of activity (Mandatory activities are shown in bold)	Activities included in Master course Genome Analysis BK0002	Activities included in GS-VMAS Biology of Genomes P000043	Activities included in GS-VMAS Analysis of Genomes P000042	
36	2024-09-02	Måndag	08.00-09.00	Lecture 1	Course introduction & presentation of lab project	BK0002	P000043	P000042	
			09.00-12.00	Lecture 2	Genome structure and function	BK0002	P000043		
			13.00-17.00	Exercise	Computer exercise 1: Genome browsing	BK0002		P000042	
	2024-09-03	Tisdag	10.00-12.00	Lecture 3	Genetic diversity and evolution	BK0002	P000043		
			13.00-17.00	Exercise	Computer exercise 2 - Molecular evolution/Phylogeny	BK0002	P000043		
	2024-09-04	Onsdag	13.00-15.00	Exercise	Group discussion 1 - Genomic structure	BK0002	P000043		
			15.00-17.00	Exercise	Group discussion 1 - Genomic structure	BK0002	P000043		
			10.00-12.00	Lecture 4	Epigenetics and epigenomics	BK0002	P000043		
	2024-09-06	Fredag	13.00-15.00	Exercise	Group discussion 4 - Epigenetics & epigenomics	BK0002	P000043		
			15.00-17.00	Exercise	Group discussion 4 - Epigenetics & epigenomics	BK0002	P000043		
2024-09-07	Lördag								
2024-09-08	Söndag								
37	2024-09-09	Måndag	10.00-12.00	Lecture 5	Functional Genomics	BK0002	P000043		
			13.00-15.00	Exercise	Group discussion 2 - Functional genomics	BK0002	P000043		
			15.00-17.00	Exercise	Group discussion 2 - Functional genomics	BK0002	P000043		
	2024-09-10	Tisdag	10.00-12.00	Lecture 6	Repetitive DNA and genome plasticity	BK0002	P000043		
			13.00-15.00	Lecture 7	Transcriptome and transcriptional regulation	BK0002	P000043		
	2024-09-11	Onsdag	10.00-12.00	Lecture 8	Molecular phylogenomics	BK0002	P000043		
			13.00-15.00	Exercise	Computer exercise 3 - Molecular phylogenomics	BK0002	P000043		
	2024-09-12	Torsdag	10.00-12.00	Lecture 9	Primer design, PCR & Sequence analysis	BK0002		P000042	
			13.00-17.00	Exercise	Computer exercise 4: Primer design & Sequence analysis	BK0002		P000042	
	2024-09-13	Fredag	08.00-10.00	Exercise	Group discussion 3 - Genomic diversity	BK0002	P000043		
10.00-12.00			Exercise	Group discussion 3 - Genomic diversity	BK0002	P000043			
2024-09-14	Lördag								
2024-09-15	Söndag								
38	2024-09-16	Måndag	10.00-12.00	Lecture 10	Comparative genomics	BK0002	P000043		
			13.00-15.00	Exercise	Group discussion 5 - Comparativ genomics	BK0002	P000043		
			15.00-17.00	Exercise	Group discussion 5 - Comparativ genomics	BK0002	P000043		
	2024-09-17	Tisdag	09.00-12.00	Laboration	Lab project	BK0002		P000042	
			10.00-12.00	Lecture 11	Linkage analysis	BK0002	P000043		
	2024-09-18	Onsdag	13.00-15.00	Lecture 12	GWAS	BK0002	P000043		
			08.00-17.00	Laboration	Lab project	BK0002		P000042	
	2024-09-20	Fredag	08.00-17.00	Laboration	Lab project	BK0002		P000042	
	2024-09-21	Lördag							
	2024-09-22	Söndag							
39	2024-09-23	Måndag	10.00-12.00	Lecture 13	QTL analysis	BK0002	P000043		
			13.00-15.00	Lecture 14	Basic statistics in Genome Analysis	BK0002	P000043		
	2024-09-24	Tisdag	08.00-17.00	Laboration	Lab project	BK0002		P000042	
	2024-09-25	Onsdag	08.00-12.00	Exercise	Computer exercise 5 - GWAS/PLINK	BK0002	P000043		
	2024-09-26	Torsdag	08.00-17.00	Laboration	Lab project	BK0002		P000042	
	2024-09-27	Fredag	08.00-17.00	Laboration	Lab project	BK0002		P000042	
	2024-09-28	Lördag							
	2024-09-29	Söndag							
	40	2024-09-30	Måndag	08.00-17.00	Laboration	Lab project	BK0002		P000042
				08.00-10.00	Exercise	Group discussion 6 - Gene mapping, GWAS, & QTL analysis	BK0002	P000043	
2024-10-01		Tisdag	10.00-12.00	Exercise	Group discussion 6 - Gene mapping, GWAS, & QTL analysis	BK0002	P000043		
			10.00-12.00	Lecture 15	Illumina high throughput genome sequencing and analysis	BK0002		P000042	
2024-10-02		Onsdag	13.00-15.00	Lecture 16	PacBio & ONT long read sequencing technology	BK0002		P000042	
			08.00-10.00	Exercise	Group discussion 7 - Analysis of genomic sequence variation	BK0002		P000042	
2024-10-03		Torsdag	10.00-12.00	Exercise	Group discussion 7 - Analysis of genomic sequence variation	BK0002		P000042	
			08.00-17.00	Laboration	Lab project	BK0002		P000042	
2024-10-04		Fredag	08.00-17.00	Laboration	Lab project	BK0002		P000042	
2024-10-05		Lördag							
2024-10-06	Söndag								
41	2024-10-07	Måndag	08.00-17.00	Laboration	Lab project	BK0002		P000042	
	2024-10-08	Tisdag	08.00-17.00	Laboration	Lab project	BK0002		P000042	
	2024-10-09	Onsdag	10.00-12.00	Exercise	Group discussion 8 - High throughput genome sequencing (NGS)	BK0002		P000042	
			13.00-15.00	Exercise	Group discussion 8 - High throughput genome sequencing (NGS)	BK0002		P000042	
	2024-10-10	Torsdag	08.00-17.00	Laboration	Lab project	BK0002		P000042	
	2024-10-11	Fredag	08.00-17.00	Laboration	Lab project	BK0002		P000042	
	2024-10-12	Lördag							
2024-10-13	Söndag								
42	2024-10-14	Måndag	08.00-17.00	Laboration	Lab project	BK0002		P000042	
	2024-10-15	Tisdag	17.00		Hand in first version of Lab Report	BK0002		P000042	
	2024-10-16	Onsdag	08.00-12.00	Exercise	Computer exercise 6 - NGS Part 1	BK0002		P000042	
	2024-10-17	Torsdag	10.00-12.00	Lecture 17	Introduction to bioinformatics	BK0002	P000043		
			13.00-17.00	Exercise	Computer exercise 7 - NGS Part 2	BK0002		P000042	
	2024-10-18	Fredag	10.00-12.00	Lecture 18	Applied Genomics	BK0002	P000043		
			13.00-15.00	Lecture 19	Ethics in genomics	BK0002	P000043		
2024-10-19	Lördag								
2024-10-20	Söndag								
2024-10-21	Måndag	12.00		Hand in Final Lab Report	BK0002		P000042		
43	2024-10-23	Onsdag	10.00-12.00	Lecture 20	Genome editing and transgenic animals	BK0002	P000043		
			13.00-15.00	Exercise	Group discussion 9 - Genome editing & transgenic animals	BK0002	P000043		
			15.00-17.00	Exercise	Group discussion 9 - Genome editing & transgenic animals	BK0002	P000043		
	2024-10-24	Torsdag	10.00		Hand in Oral presentation	BK0002		P000042	
2024-10-25	Fredag	09.00-12.00	Laboration	Lab project - Oral presentations	BK0002		P000042		
		13.00-15.00	Laboration	Lab project - Oral presentations	BK0002		P000042		
2024-10-26	Lördag								
2024-10-27	Söndag								
44	2024-10-31	Torsdag	08.00-17.00	Examination	Written & Oral Examination	BK0002	P000043	P000042	