

V	Date	Week day	Time	Activity	Teacher	Title of activity
36	2025-09-01	Måndag	09.00-10.00	Studies of your own		Own studies
			10.00-12.00	Lecture 1	Sofia Mikko	Course introduction & presentation of lab project
			13.00-15.00	Lecture 2	Sofia Mikko	Genome structure and function
			15.00-17.00	Studies of your own		Own studies
	2025-09-02	Tisdag	08.00-10.00	Studies of your own		Own studies
			10.00-12.00	Lecture 3	Göran Andersson	Repetitive DNA and genome plasticity
			13.00-17.00	Exercise	Sofia Mikko	Computer exercise 1: Genome browsing
	2025-09-03	Onsdag	08.00-10.00	Exercise	Sofia Mikko	Group discussion 1 - Genomic structure
			10.00-12.00	Exercise	Sofia Mikko	Group discussion 1 - Genomic structure
			13.00-17.00	Studies of your own		Own studies
	2025-09-04	Torsdag	08.00-10.00	Studies of your own		Own studies
			10.00-12.00	Lecture 4	Tomas Bergström	Genetic diversity and evolution
			13.00-15.00	Lecture 5	Anna Johansson	Molecular phylogenomics
			15.00-17.00	Studies of your own		Own studies
	2025-09-05	Fredag	08.00-12.00	Studies of your own		Own studies
			13.00-15.00	Exercise	Tomas Bergström	Group discussion 2 - Genomic diversity
			15.00-17.00	Exercise	Tomas Bergström	Group discussion 2 - Genomic diversity
	2025-09-06	Lördag				
	2025-09-07	Söndag				
37	2025-09-08	Måndag	08.00-12.00	Studies of your own		Own studies
			13.00-17.00	Exercise	Sofia Mikko	Computer exercise 2 - Molecular evolution/Phylogeny
	2025-09-09	Tisdag	08.00-10.00	Studies of your own		Own studies
			10.00-12.00	Exercise	Anna Johansson	Computer exercise 3 - Molecular phylogenomics
			13.00-15.00	Lecture 6	Åsa Ohlsson	Primer design, PCR & Sequence analysis
			15.00-17.00	Studies of your own		Own studies
	2025-09-10	Onsdag	08.00-12.00	Exercise	Åsa Ohlsson	Computer exercise 4: Primer design & Sequence analysis
			13.00-17.00	Studies of your own		Own studies
	2025-09-11	Torsdag	08.00-12.00	Studies of your own		Own studies
			12.00			Hand in designed primers
			13.00-17.00	Studies of your own		Own studies
38	2025-09-15	Måndag	08.00-10.00	Exercise	Sofia Mikko	Group discussion 3 - Analysis of genomic sequence variation
			10.00-12.00	Exercise	Sofia Mikko	Group discussion 3 - Analysis of genomic sequence variation
			13.00-17.00	Studies of your own		Own studies
	2025-09-16	Tisdag	08.00-10.00	Lecture 7	Göran Andersson	Transcriptome and transcriptional regulation
			10.00-12.00	Lecture 8	Carlos Guerrero Bosagna	Epigenetics and epigenomics
			13.00-15.00	Exercise	Carlos Guerrero Bosagna	Group discussion 4 - Epigenetics & epigenomics
			15.00-17.00	Exercise	Carlos Guerrero Bosagna	Group discussion 4 - Epigenetics & epigenomics
	2025-09-17	Onsdag	08.00-09.00	Studies of your own		Own studies
			09.00-12.00	Lecture 9	Sergey Kozyrev	Functional Genomics
			13.00-17.00	Studies of your own		Own studies
	2025-09-18	Torsdag	08.00-17.00	Laboration	Åsa Ohlsson	Lab project
	2025-09-19	Fredag	08.00-10.00	Exercise	Sofia Mikko	Group discussion 5 - Functional genomics
			10.00-12.00	Exercise	Sofia Mikko	Group discussion 5 - Functional genomics
			13.00-15.00	Lecture 10	Gabriella Lindgren	Comparative genomics
			15.00-17.00	Studies of your own		Own studies
	2025-09-20	Lördag				
	2025-09-21	Söndag				
39	2025-09-22	Måndag	08.00-12.00	Studies of your own		Own studies
			13.00-15.00	Exercise	Gabriella Lindgren	Group discussion 6 - Comparativ genomics
			15.00-17.00	Exercise	Gabriella Lindgren	Group discussion 6 - Comparativ genomics
	2025-09-23	Tisdag	08.00-10.00	Lecture 11	Gabriella Lindgren	Linkage analysis
			10.00-12.00	Lecture 12	Martin Johnsson	GWAS
	2025-09-23	Tisdag	13.00-17.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project
	2025-09-24	Onsdag	08.00-17.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project
	2025-09-25	Torsdag	08.00-17.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project
	2025-09-26	Fredag	08.00-10.00	Studies of your own		Own studies
			10.00-12.00	Lecture 13	Martin Johnsson	QTL analysis
			13.00-15.00	Lecture 14	Martin Johnsson	Basic statistics in Genome Analysis
			15.00-17.00	Studies of your own		Own studies
	2025-09-27	Lördag				
	2025-09-28	Söndag				

40	2025-09-29	Måndag	08.00-17.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project
	2025-09-30	Tisdag	08.00-10.00	Studies of your own		Own studies
			10.00-12.00	Lecture 15	Åsa Ohlsson/Sofia Mikko	Illumina high throughput genome sequencing and analysis
			13.00-15.00	Lecture 16	Åsa Ohlsson	PacBio & ONT long read sequencing technology
			15.00-17.00	Lecture 17	Erik Bongcam	Introduction to bioinformatics
	2025-10-01	Onsdag	08.00-12.00	Exercise	Martin Johnsson	Computer exercise 5- -GWAS/PLINK
			13.00-17.00	Studies of your own		Own studies
	2025-10-02	Torsdag	08.00-12.00	Studies of your own		Own studies
			13.00-15.00	Exercise	Martin Johnsson	Group discussion 7 - Gene mapping, GWAS, & QTL analysis
			15.00-17.00	Exercise	Martin Johnsson	Group discussion 7 - Gene mapping, GWAS, & QTL analysis
2025-10-03	Fredag	08.00-17.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project	
2025-10-04	Lördag					
2025-10-05	Söndag					
41	2025-10-06	Måndag	08.00-17.00	Studies of your own		Own studies
	2025-10-07	Tisdag	08.00-17.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project
	2025-10-08	Onsdag	08.00-17.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project
	2025-10-09	Torsdag	08.00-17.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project
	2025-10-10	Fredag	08.00-10.00	Studies of your own		Own studies
			10.00-12.00	Exercise	Sofia Mikko	Group discussion 8 - High throughput genome sequencing (NGS)
			13.00-15.00	Exercise	Sofia Mikko	Group discussion 8 - High throughput genome sequencing (NGS)
			15.00-17.00	Studies of your own		Own studies
2025-10-11	Lördag					
2025-10-12	Söndag					
42	2025-10-13	Måndag	08.00-12.00	Exercise	Sofia Mikko	Computer exercise 6 - NGS Part 1
			13.00-17.00	Exercise	Sofia Mikko	Computer exercise 7 - NGS Part 2
	2025-10-14	Tisdag	08.00-17.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project
	2025-10-15	Onsdag	08.00-17.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project
	2025-10-16	Torsdag	08.00-17.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project
	2025-10-17	Fredag	08.00-10.00	Studies of your own		Own studies
			10.00			Hand in first version of Lab Report
			10.00-12.00	Lecture 18	Martin Johnsson	Applied Genomics
13.00-15.00			Lecture 19	Tomas Bergström	Ethics in genomics	
15.00-17.00			Studies of your own		Own studies	
2025-10-18	Lördag					
2025-10-19	Söndag					
43	2025-10-20	Måndag	08.00-17.00	Studies of your own		Own studies
	2025-10-21	Tisdag	08.00-17.00	Studies of your own		Own studies
			17.00			Hand in Final Lab Report
	2025-10-22	Onsdag	08.00-10.00	Studies of your own		Own studies
			10.00-12.00	Lecture 20	Magnus Åbrink	Genome editing and transgenic animals
			13.00-15.00	Exercise	Magnus Åbrink	Group discussion 9 - Genome editing & transgenic animals
			15.00-17.00	Exercise	Magnus Åbrink	Group discussion 9 - Genome editing & transgenic animals
	2025-10-23	Torsdag	08.00-12.00	Studies of your own		Own studies
			12.00			Hand in Oral presentation
			13.00-17.00	Studies of your own		Own studies
	2025-10-24	Fredag	08.00-09.00	Studies of your own		Own studies
	2025-10-24	Fredag	09.00-12.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project - Oral presentations
2025-10-24	Fredag	13.00-15.00	Laboration	Sofia Mikko / Tomas Bergström	Lab project - Oral presentations	
		15.00-17.00	Studies of your own		Own studies	
2025-10-25	Lördag					
2025-10-26	Söndag					
44	2025-10-27	Måndag	08.00-17.00	Studies of your own		Own studies
	2025-10-28	Tisdag	08.00-17.00	Studies of your own		Own studies
	2025-10-29	Onsdag	08.00-17.00	Studies of your own		Own studies
	2025-10-30	Torsdag	08.00-17.00	Examination	Sofia Mikko	Written & Oral Examination
	2025-10-31	Fredag	08.00-17.00	Studies of your own		Own studies