

	Discussion	Material		Responsible	Date	Location	Lab	Lab location
Welcome	Welcome to Course			Arne	Thursday 15 February 2024, 10:00:00	Air&Fire	Thursday 15 February 2024	Air+Fire
Introductions	Biological Databases	Pevzner Ch2 Access to Sequence Data and Related Information 19	Genes, genomes and databases	Petras	Friday 16 February 2024, 10:00:00	Air&Fire	Friday 16 February 2024	Lunch room
Introductions	Sequence Alignments	Pevzner Ch3 Pairwise Sequence Alignment 69	Pairwise sequence alignment	Petras	Monday 19 February 2024, 10:00:00	Monday, February 19, 2024, 10:00:00 am	Monday 19 February 2024	Air+Fire
Introductions	Heuristic methods	Pevzner Ch4 Basic Local Alignment Search Tool (BLAST) 121	Heuristic searching	Arne	Tuesday 20 February 2024, 10:00:00	Air&Fire	Tuesday 20 February 2024	Lunch room
Introductions	Advanced Databases searching	Pevzner Ch5 Advanced Database Searching 167	HMMs and profiles	Arne	Wednesday 21 February 2024, 10:00:00	Air&Fire	Wednesday 21 February 2024	Lunch room
Structure	Protein Structure	Pevzner Ch 13		Petras	Thursday 22 February 2024, 10:00:00	Air&Fire	Thursday 22 February 2024	Air+Fire
Introductions	Multiple sequence alignments	6 Multiple Sequence Alignment 205	Multiple sequence alignments	Arne	Friday 23 February 2024, 10:00:00	Air&Fire		
Machine Learning	Deep Learning 1	Ekman Ch 1, 2, 3		Sam	Monday 26 February 2024, 10:00:00	Gamma Lunchroom	Monday 26 February 2024	Air+Fire
Machine Learning	Deep Learning 2	Ekman Ch 4, 6		Gabriele	Wednesday 28 February 2024, 09:00:00	Gamma Lunchroom	Wednesday 28 February 2024	Air+Fire
Machine Learning	Deep Learning 3	Ekman Ch 5		Gabriele	Friday 1 March 2024, 09:00:00	Gamma Lunchroom	Friday 1 March 2024, 10:00:00	Air+Fire
Machine Learning	Deep Learning 4	Ekman Ch 7, 8		Gabriele	Monday 4 March 2024, 10:00:00	Air&Fire	Monday 4 March 2024, 10:00:00	Air+Fire
Applied	AlphaFold2	<a href="#">Highly accurate protein structure prediction with AlphaFold 1</a> , <a href="#">Nature</a>		Arne	Tuesday 5 March 2024, 10:00:00	Air&Fire	Tuesday 5 March 2024, 10:00:00	Lunch room
Machine Learning	Deep Learning 5	Ekman Ch 10,12,15		Gabriele	Wednesday 6 March 2024, 10:00:00	Air&Fire		
Applied	spatial point pattern analytics			Juliette	Thursday 7 March 2024, 10:00:00	Air&Fire	Thursday 7 March 2024, 10:00:00	Lunch room
Applied	Language models	<a href="#">The language of proteins: NLP, machine learning and deep learning</a>		Arne	Friday 8 March 2024, 10:00:00	Air&Fire		
Applied	Diffusion Models	<a href="#">Broadly applicable and accurate protein structure prediction with Diffusion Models</a>		Arne	Monday 11 March 2024, 10:00:00	Air&Fire		
PROJECT	PROJECT START			TAs	Monday 11 March 2024, 13:00:00	Air&Fire		
Exam					Monday 18 March 2024, 09:00:00	Air&Fire		
Project end	Project end				Wednesday 20 March 2024, 23:00:00			