

Master Programme in Bioinformatics 2021/2022

	Autumn '21		Spring '22	
	Period 1 210830–211027	Period 2 211028–220116	Period 3 220117–220320	Period 4 220321–220605
Courses during the first year	Biology Background		Both Backgrounds	
	Introduction to Bioinformatics, 10 credits (1MB438)		Molecular Evolution, 5 credits (1MB461)	Genome Analysis, 10 credits (1MB462)
	Introduction to Programming, Scientific Computing and Statistics, 10 credits (1TD349)	Programming in Python, 5 credits (1TD327)	Information Management Systems, 10 credits (1DL471)	Big data in Life Sciences, 5 credits (1TD065)
		Database Design I, 5 credits (1DL301)		
	Computer Science Background			
	Introduction to Bioinformatics, 10 credits (1MB438)			
	Introduction to Molecular Biology, Genetics and Evolution, 15 credits (1MB439)			
Script Programming, 5 credits (1TD328)				
Courses during the second year	Both Backgrounds			
	Phylogenetic Analysis, 5 credits (1MB515)	Proteomics and metabolomics, 5 credits (1KB162)	Degree Project E in Bioinformatics, 30 credits (1MB830)	
	Population Genomic Analysis, 10 credits (1MB517)	Applied Bioinformatics, 15 credits (1MB519)		
	Statistical Inference for Bioinformatics, 5 credits (1MB459)			
Knowledge-Based Systems in Bioinformatics, 5 credits (1MB416)	Degree Project E in Bioinformatics, 45 credits (1MB745)			
Optional courses**	Literature Project in Bioinformatics, 5 credits (1MB782)		<p>* (1MB720) Degree project D in Bioinformatics is only for students studying towards a one-year master. ** Optional courses are given in different periods and can replace other courses in the programme.</p> <p>Note that an MSc degree may contain max 30 credits from basic level courses</p>	
	Literature Project in Bioinformatics, 10 credits (1MB783)			
	Research Training in Bioinformatics, 10 credits (1MB803)			
	Research Training in Bioinformatics, 15 credits (1MB804)			
	Research Training in Bioinformatics, 20 credits (1MB805)			
	Project Work in Bioinformatics, 10 credits (1MB820)			
	Project Work in Bioinformatics, 20 credits (1MB822)			
	Degree Project D in Bioinformatics, 15 credits (1MB720)*			
	Computer Assisted Image Analysis I, 5 credits (1TD396)			
	Scientific Visualisation, 5 credits (1TD389)			
Algorithms and Data Structures I, 5 credits (1DL210)				