NST Part II BBS Bioinformatics minor (128) 2020-21

Date	Time (GMT)	Type	Title	Speaker
Mon Jan 18 2021	REM/3:00 – 5:00pm	*Practical 1*	Introduction to the Unix Command Line	Martinez-Cuesta
Tues Jan 19, 2021	ZM/4:00 – 5:00pm	*Lecture 1*	Introduction to Bioinformatics and Computational Biology	Durbin
Thu Jan 21, 2021	ZM/4:00 – 5:00pm	*Lecture 2*	NGS data analysis: library preparation and quality control	Steif
Mon Jan 25, 2021	ZM/3:00 – 5:00pm	*Practical 2*	Introduction to programming in R	Cardona
Tue Jan 26, 2021	ZM/4:00 – 5:00pm	*Lecture 3*	NGS data analysis: alignment and variant calling	Steif
Thu Jan 28, 2021	REM/4:00 – 5:00pm	*Lecture 4*	Sequence Alignment	Brown
Mon Feb 1, 2021	ZM/3:00 – 5:00pm	*Practical 3*	NGS practical: quality control, alignment and variant calling	Steif
Tue Feb 2, 2021	ZM/4:00 – 5:00pm	*Practical 4 (1hr)*	Sequence Alignment	Brown
Thu Feb 4, 2021	ZM/4:00 – 5:00pm	*Lecture 5*	Statistics for Large Datasets – Errors and The Multiple Comparison Problem	Castle
Mon Feb 8, 2021	ZM/3:00 – 5:00pm	*Practical 5*	Introduction to data visualisation and data manipulation in R	Cardona
Tue Feb 9, 2021	ZM/4:00 – 5:00pm	*Lecture 6*	Introduction to Statistics - Linear Regression	Mohorianu
Thu Feb 11, 2021	ZM/4:00 – 5:00pm	*Lecture 7*	Linking SNPs to diseases and disease to biology	Day
Mon Feb 15, 2021	ZM/3:00 – 5:00pm	*Practical 6*	Introduction to Statistics - Linear Regression	Mohorianu
Tue Feb 16, 2021	ZM/4:00 – 5:00pm	*Lecture 8*	RNA-Seq analysis - General overview of RNAseq	Mohorianu
Thu Feb 18, 2021	ZM/4:00 – 5:00pm	*Lecture 9*	RNA-Seq analysis - mRNAseq	Mohorianu
Mon Feb 22, 2021	ZM/3:00 – 5:00pm	*Practical 7*	Using PLINK and R to find genetic associations	Day
Tue Feb 23, 2021	ZM/4:00 – 5:00pm	*Lecture 10*	Introduction to Machine Learning - Unsupervised Learning	Mohorianu
Thu Feb 25, 2021	ZM/4:00 – 5:00pm	*Lecture 11*	Introduction to Machine Learning - Supervised Learning	Mohorianu
Mon Mar 1, 2021	ZM/3:00 – 5:00pm	*Practical 8*	RNA-Seq analysis - sRNAseq and integrating coding and non-coding RNAs	Mohorianu
Tue Mar 2, 2021	ZM/4:00 – 5:00pm	*Practical 9 (1hr)*	Introduction to Machine Learning - Examples of Unsupervised Learning	Mohorianu
Thu Mar 4, 2021	ZM/4:00 – 5:00pm	*Practical 10 (1hr)*	Introduction to Machine Learning - Examples of Supervised Learning	Mohorianu
Mon Mar 8, 2021	ZM/3:00 – 5:00pm	*Practical 11*	Introduction to Machine Learning - Applying ML on RNAseq data	Mohorianu
Tue Mar 9, 2021	ZM/4:00 – 5:00pm	*Lecture 12*	Gene-set Enrichment analysis	Mohorianu
Thu Mar 11, 2021	ZM/4:00 – 5:00pm	*Lecture 13*	Construction and Analysis of Biological Networks	Yadav
Mon Mar 15, 2021	ZM/3:00 – 5:00pm	*Practical 12*	Construction and Analysis of Biological Networks	Yadav
	REM		Remote delivery as online Panopto pre-recorded lecture	
	ZM		Online live via Zoom	