

Theory	Date	In class time	In class time2 (optional)	Topic of the Day	Practicals: Due Date and Description	
1.123-B28	12 February	14-16		CH1: Setting the Pace + CH2: Basics of genetics		
1.123-B28	19 February	14-16		CH4: Basic Population Genetics: HWE and LD / intro R	HW1 due 26 February	data extraction/exploration
1.123-B28	26 February	14-16		CH5: Population-Based Association Studies	HW2 due 26 March	population genetics analysis
1.123-B28	19 March	14-16		Population-based association studies using R	HW3 due 2 April	population association analysis
1.123-B28	26 March	14-16		CH6: Family-Based Association Studies		
1.123-B28	2 April	14-16		Family-based association studies using R	HW4 due 30 April	family-based association analysis
1.123-B28	23 April	14-16		CH7: A World of Interactions		
1.123-B28	30 April	14-16		Multi-locus analysis: multi-factor dimensionality reduction	HW5 due May 14	interactions using mining
1.123-B28	7 May	14-16	exam project (*)	Recapitulation Class		

**(\*) exam project:**

On May 14, I will communicate what the causal SNPs and interacting loci in the data are.  
Based on this knowledge, you will now be able to better interpret the findings of the homeworks  
The reflection of your summary conclusions and understanding of the analysis results, needs to be written down in a brief report (written exam)  
You will have the opportunity to motivate these reflections in person as well (oral exam)