

Date	Day	Bio3950 Lecture	Links	Bio3950 Lab	Skills
22-Apr	M	History of DNA & Biotechnology	History of DNA & Biotechnology	Introductions; Notebooks; Use of pipettes; Gel electrophoresis	Working with small volumes
23-Apr	Tu	Structure of DNA	Structure of DNA	3D model DNA structure & function	Quantitation in molecular biology
24-Apr	W	Intro to PCR & Primer Design. Start PCR	Primer design;	qPCR demo: 1330 - 1500	Retrieve PCR; cleanup?
25-Apr	Th	Genetic Engineering	Genetic Engineering	PCR electrophoresis; cleanup & RE analysis	Restriction Endonuclease Mapper
26-Apr	Fr	Biotechnology	Biotechnology	DNA Bioinformatics: sequence retrieval & alignment	
29-Apr	M	Biotechnology	Genomics & Proteomics	DNA Bioinformatics: NCBI resources	
30-Apr	Tu	Advanced topics: Microarray data	TBA	DNA continued	
01-May	W	Intro to eDNA		eDNA	
02-May	Th	TBA		eDNA	
03-May	Fr	TBA		eDNA bioinformatics	
06-May	M	Intro to CRISPR		CRISPR	
07-May	Tu	TBA		CRISPR	
08-May	W	TBA		CRISPR bioinformatics	
09-May	Th	TBA		Final Exam	
10-May	Fr	TBA		TBA: GATTACA	