

WEEK 1

	Monday	Tuesday	Wednesday	Thursday	Friday
Tutorials/Intros 9.00-10.00	TU: Welcome CS: Archaea E1 Intro (SR)	E2 Intro TU E3 Intro CS TU: NA extractions	DNA quantification Tutorial	RFLP tutorial	
Morning Lab 10.00-12.15	Safety Instructions and Pipetting intro E1 Culture preparation.	E2/E3 (TU) DNA extraction E1 sampling	E4 Agarose gel E2/E3 DNA purification E2 DNA quantification E2 PCR (Amo+16S) E3 PCR (Loki 16S) E1 sampling	E3 PCR purification E3 PCR (Loki 16S, second round of samples?) E1 sampling	E4 Colony PCR E2 Agarose gel electrophoresis (RFLP) E1 sampling
Lunch break 12.15-13.00					
Tutorial 13.00-13.30	E4 Intro SB	TU: PCR and marker genes in microbial ecology	SB Cloning tutorial	CS Thaumarchaeota and Nitrification	SR Methanogens: Ecology and Biotechnology
Afternoon Lab 13.00-17.00	E2 soil sampling 1.30pm! E1 Quantification of OD and mass E3 sampling E4 worm DNA prep	E2/E3 DNA extraction E2/E3 column preparation E1 Sampling E4 worm DNA prep E4 16S PCR	E1 sampling E2/E3 Agarose gels E4 PCR purification E4 Ligation	E1 sampling E2 PCR Purification E2 RFLP E3 Ligation E4 Transformation	E1 sampling E3 Transformation E4 Fluorescence Microscopy

WEEK 2

	Monday	Tuesday	Wednesday	Thursday	Friday
Intro 9.00-9.30 am	RA: qPCR tutorial	qPCR analysis tutorial	Intro to the day		
Morning Lab 10.00-12.15	E1 sampling E4 Sequence analysis E2 DNA calculations for samples and standards E2 qPCR amoA	E4 Taxonomic annotation E3 RFLP E1 Analysis of results E2 qPCR analysis	E2 Discussion of Results E3 Sequence analysis and taxonomic annotation E1 Proteome- SDS gel	E3 Discussion of Results Lab Cleaning	Final colloquium preparations
Lunch break 12.15-13.00					
Tutorial 13.00-13.30					
Afternoon Lab 13.00-17.00	E2 qPCR amoA E3 Colony PCR	E3 RFLP E2 qPCR analysis	E4 Discussion of results E1 Proteome analysis E1 Discussion of results	Final colloquium preparations	Final colloquium