

Georg-August-Universität Göttingen		6 C 4 WLH
Module B.MES.114: Biodiversity of pro- and eukaryotic soil microbial communities		
Learning outcome, core skills: Biodiversity, phylogenetics, morphology and functions of soil microbial communities consisting of prokaryots (archaea, bacteria) and eukaryots (algae and fungi); diversity of prokaryotic microbial metabolism and environmental functions. Knowledge of prokaryotic microorganisms and algae relevant for environmental functions, ability to identify these organisms and to analyse them with molecular methods; ability to identify major lineages of cyanobacteria and eukaryotic algae from cultures by microscopy.		Workload: Attendance time: 56 h Self-study time: 124 h
Courses: 1. Biodiversity of pro- and eukaryotic soil microbial communities (Lecture) 2. Biodiversity of pro- and eukaryotic soil microbial communities (Laboratory course)		2 WLH 2 WLH
Examination: Protocol (10 pages max.)		6 C
Examination requirements: Students prove their ability to perform specific microbiological molecular techniques independently and their ability to record, interpret and present their experimental results in written form.		
Admission requirements: none	Recommended previous knowledge: none	
Language: English	Person responsible for module: Prof. Dr. Rolf Daniel	
Course frequency: each winter semester	Duration: 1 semester[s]	
Number of repeat examinations permitted: cf. examination regulations	Recommended semester: 3	
Maximum number of students: 25		