



# Full Syllabus



<b>Course Title</b>	
Microbial Ecology	
<b>Lecturer</b>	
Uri Gophna	
<b>Semester</b>	
Spring (once in 2 years)	
<b>Course requirements</b>	
Knowledge of basic microbiology and molecular biology	
<b>Final grade components</b>	
100% Exam	
<b>Course schedule</b>	
Class no. / Date	Subject and Requirements (assignments, reading materials, tasks, etc.)
1	Methods for the study of microbial communities
2	Methods for the study of microbial communities II
3	Microbial species concepts
4	Microbial symbiosis with animals - invertebrates
5	Microbial symbiosis with animals -mammalian microbiota
6	Human gut microbiota – principles of assembly
7	Human gut microbiota in health and disease I
8	Human gut microbiota in health and disease II
9	Marine and freshwater ecosystems
10	Phages and viruses in various ecosystems I
11	Phages and viruses in various ecosystems II
12	Plant bacteria interactions
13	Bioremediation, microbial fuel cells
<b>Required course reading</b>	
N/A	
<b>Optional course reading</b>	
N/A	
<b>Comments</b>	
The course is generally taught in English, unless all attending students agree otherwise	