



TEL AVIV אוניברסיטת
UNIVERSITY תל אביב

Full Syllabus



Course Title

Microbial Ecology

Lecturer

Prof. Uri Gophna

Semester

B

Course requirements

Microbiology, Molecular biology

Final grade components

100% Exam

Course schedule

Class no. / Date	Subject and Requirements (assignments, reading materials, tasks, etc.)
1	Introduction, Methods for the study of microbial communities
2	Methods for the study of microbial communities II
3	Species concepts, succession, interactions
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 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

Required course reading

N/A

Optional course reading

N/A

Comments

Course is given every other year. Course is generally given in English, unless every student is fluent in Hebrew