



Elements of Microbial Ecology

Lecturers

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Institution

University of Florence
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General Information

This course provides basic knowledge on the structure and functioning of microbial communities, as well as on molecular-based analytical methods used to characterize them at both taxonomic and functional levels. In particular, the course aims to equip students with the skills needed to understand the design, application and interpretation of microbial community analyses.

Teaching activities are delivered in English, both in person and online.

Materials

All necessary materials are provided during the lessons or as PDF files.

Schedule

Dates	Description
14th April 2026	Introduction, Taxonomy, DNA and RNA, Sample processing, Sequencing (2h)
16th April 2026	16S, total DNA and total RNA sequencing (2h)
21th April 2026	Analysis interpretation (1h)
29th April 2026	Learning assessment (1h)
Total: 6 Hours - 1 Credits	

For any information www.indicee.unifi.it - dott-dicea@unifi.it