Subject Area: Advanced Methods in Biotechnology and Biodiversity

Subject: Techniques for biodiversity of soil microorganisms
Level: PhD
Year: I-IV
Semester: 1-2
Speciality: N/A
Status: Facultative
ECTS: 2

Department(s): Microbiology
Cooperating Department:

Form of teaching (Number of hours; Form of assessment: Exam or Credit)

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<th>Lectures</th>
<th>Conversatoria</th>
<th>Practicals</th>
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Staff:

SUBJECT COORDINATOR: Prof. Zofia Piotrowska-Seteg Ph.D.
CONVERSATORIA: Prof. Zofia Piotrowska-Seteg Ph.D.
PRACTICALS: Prof. Zofia Piotrowska-Seteg Ph.D.

Contents:

CONVERSATORIA:
Soil as a complex system. Microbial diversity and soil functions, biodiversity as indicator of soil quality. Molecular, biochemical and immunological methods used in soil microbiology. The impact of various toxic substances on biodiversity of microbial communities.

PRACTICALS:

Methods and forms of teaching:
Students will conduct experiments according to the protocols.

Requirements:
Knowledge on general microbiology, biochemistry and ecology.

Literature

Remarks (if necessary):