



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### **Acoustics Applied to the Environment: Soundscape as Environmental Quality Index**

2324-1-124R039

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#### **Title**

**Acoustics Applied to the Environment: Soundscape as Environmental Quality Index**

#### **Teacher(s)**

Giovanni Zambon

#### **Language**

English

#### **Short description**

The concept of soundscape will be applied to terrestrial and marine habitats through the analysis of both natural (geophonies and biophonies) and non-natural sounds (anthrophony, that is the complex of sounds produced by human activity). Topics dealt with during this course include: Introduction to soundscape as index of environmental quality; Bio-acoustic indices; Introduction to "R" program and data analysis; Computation of indices performed in "R" environment; Analysis and interpretation of the results.

**CFU / Hours**

1 CFU - 8 Hours (Lecture)

**Teaching period**

II semester: 21st, 22nd, 28th, 29th of February 2024 - (9:30-11:30)

**Sustainable Development Goals**

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