# Ecosystems and Planetary Health

**Academic Year: ( 2022 / 2023 )** **Review date: 06-06-2022**

**Department assigned to the subject: Social Sciences Department**

**Coordinating teacher: OZEL SERBETÇI, ISIK**

**Type: Compulsory ECTS Credits : 3.0**

**Year : 1 Semester : 1**

## OBJECTIVES

Comprehension of the changes in the biological diversity at various scales (regional and global) and levels of ecological organization (species, communities, ecosystems and landscapes).
Incorporation of the idea of planetary limit and its relations with the environmental threats.
Comprehension of the cities as complex ecosystems interacting with other systems of the environment.

## DESCRIPTION OF CONTENTS: PROGRAMME

-Anthropocene, the notion and the implications. Main features of the era of global change
-The self-imposed environmental threats: Climate change, biodiversity loss, the increased risk of pandemics,
-The role of local culture and native indigenous people, atmospheric pollution, plastics, nitrogen.
-Important problems and obstacles: agriculture and food provision, healthy diet, disinformation.
-The social and economic dimension of environmental crisis.

## ASSESSMENT SYSTEM

Participation in class
Presentations (individual and/ or in teams)
Debates
Papers/ write-ups (individual and/or in teams)
Final exam or final paper/ write-up

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| **% end-of-term-examination:** | 40 |
| **% of continuous assessment (assigments, laboratory, practicals…):** | 60 |

## BASIC BIBLIOGRAPHY

- Sachs, Jeffrey The Age of Sustainable Development, Columbia University Press, 2015