

ANNOTATION

INTERNATIONAL EUROPEAN UNIVERSITY



EUROPEAN SCHOOL OF BUSINESS

Ecology

EP «Computer Science and Technology»

2024



ANNOTATION



1 Course and educational program name

Ecology (elective discipline)
EP «Computer Science and Technology»

2 Course description

The subject of study of the academic discipline "Ecology" is an introduction to ecology and ecosystem dynamics using systems thinking. Applicants will learn how scientists study ecosystems and investigate the complex set of factors that underlie ecological management efforts, how real issues related to nature conservation can be addressed, for example, whether ecosystems can recover from anthropogenic impact and what role humans can and should play in this recovery.

3 Study prerequisites

The academic discipline is related to the disciplines "Academic Integrity and Basics of Scientific Research", " Health and Safety, Labor Protection and Civil Defense", "Philosophy, Ethics and Aesthetics", " Law".

3 Department

Department of Information Technology



4 Course objectives

The aim of teaching the academic discipline "Ecology" is to provide students with initial training and theoretical knowledge about the components of an ecosystem and how they interact and work together, how ecosystems respond to disturbances, how to find out about this? Applying systems thinking to understanding ecosystems is a common theme of the course, as the ecosystem is studied as a dynamic whole, considering how changes can affect the ecosystem in various ways.

5 The role of academic discipline in achieving Program learning outcomes (PLO)

PLO1. To analyze, intentionally search for and select information and reference resources and knowledge required to solve professional problems, taking into account current scientific and technological achievements.

PLO2. To know the code of professional ethics, understand the social significance and cultural aspects of developing information systems and technologies, as well as observe them in professional activities.

PLO4. To know and apply professional standards, international recommendations, and other regulatory documents in the development of information systems and technologies.