

ANNOTATION

INTERNATIONAL EUROPEAN UNIVERSITY



EUROPEAN SCHOOL OF BUSINESS

**Data and knowledge storage technologies
EP « Computer Science and Technology»**

2024



ANNOTATION



1 Course and educational program name

Data and knowledge storage technologies (elective discipline)
EP « Computer Science and Technology »

2 Course description

The subject of study of the educational discipline "Technology of data and knowledge stores" is the modern principles of design, implementation and support of data and knowledge stores using instrumental software tools.

3 Study prerequisites

The educational discipline is related to the disciplines "Higher and applied mathematics", "Probability theory and mathematical statistics", "Algorithms and data structures", "Organization of databases and knowledge".

3 Department

Department of Information Technology



4 Course objectives

The purpose of teaching the educational discipline "Technology of data and knowledge stores" is to provide students with thorough theoretical training, knowledge of basic methodological principles and familiarization with software tools used in the activities of software developers, providing theoretical and engineering training for specialists in the field of design and development of data stores and knowledge.

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.

PLO6. Ability to select and use the appropriate methodology for developing information systems and technologies.

PLO13. To know and apply methods for developing algorithms, data structures, and knowledge.

PLO14. To understand the principles of modeling organizational and technical systems and operations; to use methods of operations research, and to solve single- and multi-criteria optimization problems in linear, integer, nonlinear, and stochastic programming

PLO18. Know and be able to apply information technologies for data processing, storage and transmission.