

BASICS OF INTERNET TECHNOLOGIES: BACK-END PROGRAMMING

6 ECTS (CREDITS)

Purpose of the subject:

To instruct students in the principles of dynamic web development using the PHP programming language. The course covers the elements of database theory, teaching students how to create databases using the SQL query language stored in the MySQL database management system. It also enables students to learn how to manage MySQL databases using PHP and to create and manage XML structures using PHP.

Study subject annotation:

The module introduces students to modern technologies for interactive web development. It covers the basics of PHP syntax and includes creating simple dynamic examples for web tasks, as well as organizing small data storage in text files. The fundamental concepts of database systems and the relational data model are introduced, along with teaching the design of a logical database model. The module discusses the use of MySQL in describing a database project, covering data retrieval from a relational database and providing examples of training databases. Furthermore, the course explains how to manage databases stored in MySQL using PHP and demonstrates the management of XML tables created in PHP. An introduction to automating the development of a website project is also included.

Evaluation form:

Exam