



Erasmus Course
Database SQL Programming
 Description

Vasil Levski National Military University
 Doc.: ES/2018/08
 Date: ____-____-_____
 Origin: BG VELIKO02

Country BULGARIA	Institution Vasil Levski National Military University	Course WEB Design Technologies – Part II	ECTS 5.0
Service All Languages	Minimum Qualification for Lecturers		
English, Bulgarian	<ul style="list-style-type: none"> English: Common European Framework of Reference for Languages (CEFR) Level B1 or NATO STANAG 6001 Level 2. Adequate pedagogical and psychological competences. Teaching is committed to creating a basis for designing and programming WEB sites using HTML, MySQL, CSS3, JavaScript and PHP Thorough knowledge of the topic taught. 		
Prerequisites for international participants: <ul style="list-style-type: none"> English: Common European Framework of Reference for Languages (CEFR) Level B1 or NATO STANAG Level 2. Knowledge of Operational Systems, MySQL and HTML 		Goal of the Course: <ul style="list-style-type: none"> Learn the JavaScript and PHP Programming languages. Knowledge of the main features of modern DBMS (MySQL). To become a junior WEB design programmer by self-programming. 	

Learning outcomes	Knowledge	<ul style="list-style-type: none"> The structure of an HTML document. Tags for structuring and shaping text, tables, forms, inserting multimedia, processing events, working with databases, etc.. Install, configure, manage and administer modern WEB servers. Knowledge for the JavaScript and PHP programming languages, data types, functions and event processing. Practical exercises allow learners to broaden and deepen their knowledge of the discipline studied, as well as develop their ability to independently create functional WEB sites.
	Skills	<ul style="list-style-type: none"> Apply JavaScript and PHP statements to solve a problem in WEB design. Design real WEB sites. To install, maintain and manage modern WEB servers. To improve the WEB site features, to create new WEB site features
	Competences	<ul style="list-style-type: none"> Describe the principles of WEB programming. Capability to integrate information from a database project and a WEB design project. Capability of maintaining and modifying WEB sites. Export/import data from/into WEB design project. Able to provide the required level of security of stored data in terms of access and protection of information.

Original: Computer Systems and Technology Department, Artillery, Air Defense and CIS Faculty
 Date: ____-____-_____
 Revised by: Artillery, Air Defense and CIS Faculty Dean - Col. Assoc. Prof. Dilyan Dimitrov
 Date: ____-____-_____



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Verification of learning outcomes

- **Tests:** At the end of each topic of the course students must complete specific practice quiz.
- **Project:** Self design of database project.

Course Details		
Main Topic	Recommended WH	Details
Basics of the JavaScript language	14	<ul style="list-style-type: none">• Introduction to JavaScript• Branch and cycle constructions and program code• Work with arrays. Functions• Objects and events• Exercises
Basics of the PHP language	22	<ul style="list-style-type: none">• Introduction to PHP• Functions and arguments• Operators• Branch and cycle constructions in the program code• Work with arrays.• Work with files.• Exercises
Generate dynamic content in HTML pages	16	<ul style="list-style-type: none">• Generate dynamic content• Cookies and Sessions• Working with databases• Exercises
Course project - create a WEB site with dynamic content	8	<ul style="list-style-type: none">• Design of an interactive web-site• Project presentation.
Total	60	

Original: Computer Systems and Technology Department, Artillery, Air Defense and CIS Faculty

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