Discipline	WEB PROGRAMMING		code: 43a	**winter semester**
Specialty	Computer Science and Technologies			
ECTS credits: 5	Form of assessment: exam			
Lecturer	Assoc. Prof. Violeta Bozhikova, PhD Room 310 TB Phone: +359 52 383 616 E-mail: vbojikova@tu-varna.bg			
Department	Software and Internet Technologies			
Faculty	Faculty of Computing and Automation			

Learning objectives:

The course teaches ways to generate web content and data exchange between web browser and server scripts based on PHP server scripting language; comment the syntax, PHP coding style and documentation; addresses issues related to the PHP database script interaction, ways to recognize web application users, ways to handle exceptions, and more. It also discusses the interaction of PHP with XML as well as the generation of graphics in PHP. The exercises are practice-oriented, the goal is to acquire skills to design and develop dynamic web sites with a link to MySQL database.

CONTENTS:

Training Area	Hours lectures	Hours seminar exercises
Architecture of web applications and technologies for their creation	2	2
Design and development of web applications with PHP - characteristics	4	4
Methods for transmitting data from client to server and methods of accessing data in PHP script	4	4
Access external files in web applications	4	4
Object-oriented approach to web application development	4	4
Means for recognizing the web application user	4	4
Processing exceptions in web applications	4	4
Interaction of a PHP script with database (SQLite, MySQL, etc.)	2	2
Interaction of PHP and XML	2	2
TOTAL: 60 h	**30**	**30**