

Program	Level	First cycle					
	Name of the program	Theoretical Computer Science, Mathematics and Informatics Education					
COURSE							
Course title	Dynamic Web Systems						
Course code	Semester	Course status	ECTS	Contact hours (L+AE+LE)			
CS 370	VI	Mandatory / Elective course	5	2+0+2			
Lecturer							
Course Goals	The module's objectives are to familiarize students with creating dynamic web systems through scripting languages and connecting with databases—knowledge of client-server technology. In addition, students are introduced to the methodology of solving problems by creating a dynamic website.						
Learning Outcomes	Through the mentioned module, students will master the use of scripting languages and databases through independent work on laboratory exercises as a means for designing and implementing an information system, as well as training students to develop these systems.						
COURSE CONTENT							
<ul style="list-style-type: none"> • Introduction in PHP, Operators, Control Structures, Global Variables, Variable Functions, String Functions; • Array Functions, Mathematical Functions; • PHP and My SQL; • Output Control (Output Buffer); • XML; • ASP.NET ; • AJAX/ ASP.NET AJAX; • ASP.NET MVC ; • ASP.NET Web Forms; • Web Server; • Working with Databases in ASP.NET 							
LITERATURE							
[1] N.Dukić. Skripte sa predavanja [2] Philip Syme, Peter Aitken, C# and WEB programimng, Sams Publishing,2002. [3] K. Jamsa, S. Lalani, S. Weakley, WEB programming, Jamsa Press 1996. [4] J. C. Meloni, MySql, Sams Publishing. 2002. [5] B.Mccarty, PHP, Osborne/McGraw Hill, 2003.							
STUDENT WORKLOAD (hours in a semester)							
Lectures	30	Exercises	30	Individual work	65	T o t a l	125
GRADING				REMARKS			
Criterion	Maximum points	Minimum points					
Midterm exams	5	3					
Homework	5	3					
Projects	40	21					
Seminar	5	3					
Final exam	45	25					
T o t a l	100	55					