

Study program	Level of studies		First cycle	
	Study program name		Physics and Informatics Education	
Course name	DYNAMIC WEB SYSTEMS			
Course ID	Semester	Course status	ECTS credits	L+E
CS200	IV	MANDATORY	6	2+2
Lecturer				
Aims and intended learning outcomes	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. 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"> - Basics of PHP. - Creating PHP scripts. - Scalar values. - Advanced PHP programs. - Creating servers. Writing browsers. Browser extensions. Creating web robots and agents. - Working with files and folders. Email. - PHP MySQL. - Basics of XML. - ASP.NET. - Data sets (DataSets and DataAdapters). - Using ADO.NET and XML. - Web services. - Deploying internet applications. - Security of internet applications. - Working with databases. 				
Student workload (hours)		Grading		
Lectures and Exercises	90	Assessment method	Points	
Exam preparation	60	Midterm exams	5	
Total	150	Homework	5	
		Project	40	
		Seminar	5	
		Final exam	45	
		Total	100	
Literature				
<p>[1] Lecture notes [2] Philip Syme, Peter Aitken, C# and WEB programimng, Sams Publishing.2002. [3] K. Jamsa, S. Lalani, S. Weakley, WEB programing, Jamsa Prtess 1996. [4] J. C. Meloni, MySql, Sams Publishing. 2002. [5] B.Mccarty,PHP, Osborne/McGraw Hill, 2003.</p>				
Remarks				