



POLYTECHNIC OF MEĐIMURJE IN ČAKOVEC

COURSE SYLLABUS

ACADEMIC YEAR: 2022/2023

1. GENERAL COURSE INFORMATION

1.1 Course name	PHP programming			
1.2 Study program/s	Undergraduate professional study programme in Computer Science			
1.3 Course status (O,E)	elective	1.6 Mode of instruction (number of hours)	Lectures	30
1.4 Course code			Exercises	30
1.5 Course abbreviation	PHP		Seminars	
1.6 Semester	V		E-learning	
1.7 ECTS	5	1.7 Place and time of instruction	Premises of the Polytechnic of Međimurje in Čakovec, according to the schedule published on the website of the Polytechnic	

2. TEACHING STAFF

2.1 Course leader/s-title	PhD, Sanja Brekalo, High School Professor	contact	sbrekalo@mev.hr
		contact	
2.2 Assistant/s- title		contact	
		contact	
2.3 Instruction held by- title	PhD, Sanja Brekalo, High School Professor	contact	

3. COURSE DESCRIPTION

3.1 Course goals	After completing the course, the student will be able to apply server web technologies and create a simple content management system (CMS). Knowledge in the field of web technologies is acquired and students are trained to perform a web tasks independently.									
3.2 Prerequisites										
3.3 Course outcomes	After successfully completing the course, students will be able to: I1 - Use basic PHP functions and syntax to build dynamic web content I2 - Use HTML forms with PHP when adding interactivity I3 - Apply user authentication to a minimum of 2 levels of application management I4 - Develop and implement a database according to the needs of the project I5 - Create a dynamic web application for content management by connecting components and databases									
3.4 Course content	The course presents content related to the creation of web pages using client and server web technologies. The contents are lectured from the aspect of programming and application of scripting and programming technologies. The teaching units present contents related to PHP, server and databases. Ultimately, the student creates their own CMS system.									
3.5 Types of coursework	x	Lectures	x	Exercises		Blended e-learning	x	Individual activities		Laboratory
		Seminars and workshops	x	Distant learning		Field classes	x	Multimedia and network		Mentorship

	Other																																																		
3.6 Language of instruction	Croatian/English																																																		
3.7 Monitoring students' work (enter the number of ECTS credits for each activity so that the total number of ECTS credits is equal to the total ECTS value of the course, 1 ECTS = 30 hours)	2	Class attendance		Seminars		Essay																																													
		Class activity		Project		Report/paper																																													
		Midterm exams	3	Practical task		Continuous knowledge check																																													
		Written exam		Experimental work																																															
		Oral exam		Research																																															
3.8 Assessment and evaluation of students' work during classes and at the final exam	<table><tr><th>Activity specification</th><th>Percent %</th><th>Points</th></tr><tr><td colspan="3">Assessment during instruction</td></tr><tr><td>Attendance</td><td>5%</td><td>5</td></tr><tr><td>Class activity</td><td>20%</td><td>20</td></tr><tr><td>Seminar/ project/ essay</td><td>75%</td><td>75</td></tr><tr><td>Total:</td><td>100%</td><td>100</td></tr></table>						Activity specification	Percent %	Points	Assessment during instruction			Attendance	5%	5	Class activity	20%	20	Seminar/ project/ essay	75%	75	Total:	100%	100																											
	Activity specification	Percent %	Points																																																
Assessment during instruction																																																			
Attendance	5%	5																																																	
Class activity	20%	20																																																	
Seminar/ project/ essay	75%	75																																																	
Total:	100%	100																																																	
3.9 Assessment criteria – analysis per learning outcomes	<table><tr><th colspan="5">Ways of evaluating learning outcomes</th></tr><tr><th></th><th>Attendance</th><th>Activity</th><th>Practical work</th><th>Total</th></tr><tr><td>Outcome 1</td><td></td><td>10</td><td></td><td>10</td></tr><tr><td>Outcome 2</td><td></td><td>10</td><td></td><td>10</td></tr><tr><td>Outcome 3</td><td></td><td></td><td>20</td><td>20</td></tr><tr><td>Outcome 4</td><td></td><td></td><td>20</td><td>20</td></tr><tr><td>Outcome 5</td><td></td><td></td><td>35</td><td>35</td></tr><tr><td>Outcome not-related</td><td>5</td><td></td><td></td><td>5</td></tr><tr><td>Total</td><td>5</td><td>20</td><td>75</td><td>100</td></tr></table>						Ways of evaluating learning outcomes						Attendance	Activity	Practical work	Total	Outcome 1		10		10	Outcome 2		10		10	Outcome 3			20	20	Outcome 4			20	20	Outcome 5			35	35	Outcome not-related	5			5	Total	5	20	75	100
	Ways of evaluating learning outcomes																																																		
	Attendance	Activity	Practical work	Total																																															
Outcome 1		10		10																																															
Outcome 2		10		10																																															
Outcome 3			20	20																																															
Outcome 4			20	20																																															
Outcome 5			35	35																																															
Outcome not-related	5			5																																															
Total	5	20	75	100																																															
	Grading of outcomes (in order to pass the mid-term exam/exam the student must achieve at least 50% points for each learning outcome) Points Grade 89 – 100 excellent (5) 76 – 88 very good (4) 63 – 75 good (3) 50 – 62 pass (2) 0 – 49 fail (1)																																																		
3.10 Specific features related with taking the course	The student directly takes the exam where he presents and defends the project assignment. A student cannot access the exam without a project assignment. The project is prepared according to the instructions published on the Merlin system and are submitted by placing them on the Merlin. The practical work is submitted at least 3 days before the exam deadline. During the exam, the achieved outcomes are verbally checked. Students who did not collect points for the assignments in the exercises create additional assignments to make up the points according to the outcomes in agreement with the teacher. The final grade is obtained on the exam and is the sum of the points achieved during the course and the points obtained for fulfilling the course outcomes, which are assessed by the completed project assignment and verbal examination of independent work.																																																		
3.11 Students obligations	Full-time students are required to attend at least 70% of the total number of																																																		

	<p>hours of lectures and exercises in order to exercise the right to take the exam. Part-time students are required to attend at least 30% of the total number of hours of lectures and exercises in order to exercise the right to take the exam. If the student has not fulfilled all the obligations set by the course, he is obliged to attend the lectures again and meet the conditions for taking the exam.</p> <p>Attendance can be offset by online tuition, organised webinars and added assignments given by teachers. One lesson lasts 45 minutes, and several hours form a teaching unit. Absence from one teaching unit is counted as one absence. Delays and apologies are recorded separately. In that case, if the student missed more than 50% of classes, and has a justifiable reason/apology, the request should be submitted to the Department Council, which then decides on the justification of student absences with the obligatory opinion of the course leader.</p>	
3.12 Written assignments		
3.13 Required reading	1.	
	2.	
3.14 Additional reading	1.	Kevin Tatroe, Peter MacIntyre, Programming PHP: Creating Dynamic Web Pages 4th Edition, O'Reilly, 2020
	2.	
4 ADDITIONAL COURSE INFORMATION		
4.1 Quality control	The quality of the program, teaching process, teaching skills and level of mastery of the material will be established by conducting a written evaluation based on questionnaires, and in other standardised ways and in accordance with the by-laws of the Polytechnic of Međimurje in Čakovec.	
4.2 Contact the teacher	Students can contact the teacher during the office hours and during classes, while for short questions and explanations they can contact him/her any day during working hours by coming in person or by landline. It is also possible to ask questions by e-mail, which will be answered in 48 hours at the latest. It is desirable for students to come as often as possible for any possible questions during the teacher's office hours.	
4.3 Information about the course	It is the obligation of each student to be regularly informed about the course. All notifications about the classes or possible postponement of classes will be posted on the bulletin board and on the website of the Polytechnic at least 24 hours in advance.	
4.4 Course contribution to the study program	<p>IS7 Develop programming code in several programming languages using modern methods and tools</p> <p>IS11 Apply database basics by database creation, modeling, and administration</p> <p>IS13 Develop applications using an object-oriented paradigm in solving program tasks</p> <p>IS17 Select the appropriate programming language and technology when solving programming tasks</p> <p>IS16 Develop web and mobile projects, applying advanced technologies and connecting to databases using modern methods and tools</p>	