MEĐIMURSKO VELEUČILIŠTE U ČAKOVCU
MEĐIMURJE UNIVERSITY OF APPLIED SCIENCES IN ČAKOVEC

COURSE SYLLABUS

ACADEMIC YEAR:	2025/2026

1. GENERAL COURSE INFORMATION

1.1 Course name	PHP programming				
1.2 Study program/s	Undergraduate Professional Study Programme Computer Engineering				
1.3 Course status (O,E)	E	**1.6 Mode of instruction (number of hours)**	**Lectures**	30	
1.4 Course code			**Exercises**	30	
1.5 Course abbreviation			**Seminars**		
1.6 Semester	V		**E-learning**	Merlin	
1.7 ECTS	5	**1.7 Place and time of instruction**	The premises of the Međimurje University of Applied Sciences in Čakovec, according to the schedule published on the website		

2. TEACHING STAF.F

2.1 Course leader/s-title	PhD, Sanja Obradović, prof.	**contact**	sanja.obradovic@mev.hr
		contact	
2.2 Assistant/s- title		**contact**	
		contact	
2.3 Instruction held by-title	PhD, Sanja Obradović, prof.	**contact**	sanja.obradovic@mev.hr
2.4 Course leader/s-title		**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 web tasks independently.
3.2 Prerequisites	None
3.3 Course outcomes	After successfully completing the course, students will be able to: O1 - Use basic PHP functions and syntax to build dynamic web content O2 - Use HTML forms with PHP when adding interactivity O3 - Apply user authentication to a minimum of 2 levels of application management O4 - Develop and implement a database according to the needs of the project O5 - Create a dynamic web application for content management by connecting components and databases
3.4 Contribution of the course to the study program	SO7 Develop program code in multiple programming languages using modern methods and tools SO11 Apply database basics through creating, modelling, and administering databases SO13 Develop applications using the object-oriented paradigm in solving programming tasks SO16 Develop web and mobile projects, applying advanced technologies, and connecting with databases using modern methods and tools

	SO17 Choose the appropriate programming language and technology in solving programming tasks	
3.5 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.	

3.6 Types of coursework

x	Lectures	X	Exercises	x	Blended e-learning	X	Individual activities		Laboratory
	Seminars and workshops	x	Distant learning		Field classes	x	Multimedia and network		Mentorship
	Other								

3.7 Language of instruction	Croatian

3.8 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		Research
	Midterm exams/written exam		Project		Essay
	Oral exam	3	Practical task		

Activity specification	Percent %	Points
Assessment during instruction		
Class tasks	25%	25
Practical task	75%	75
Total:	**100%**	**100**

Ways of evaluating learning outcomes			
	Class tasks	Practical work	Total
Outcome 1	10		10
Outcome 2	10		10
Outcome 3		20	20
Outcome 4	5	20	25
Outcome 5		35	35
Total	25	75	100

Grading of outcomes (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)*

3.9 Specific features related to taking the course	The student takes the exam where he / she presents and defends the given practical task. The student cannot access the exam without a practical task. The practical task is prepared according to the instructions published on Merlin e-learning system and is submitted by placing it on Merlin. 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.

3.10 Students obligations	• a full-time student has the right to sit for the exam if he attends classes for a minimum of 70% of the total prescribed number of hours • a full-time student who attends classes from 50 to 70% of the total prescribed number of hours can exercise the right to take the exam by completing additional teaching activities in agreement with the course teacher • a full-time student who attends a certain course for less than 50% of the prescribed number of hours enrols in the course the following academic year • a part-time student has the right to sit for the exam if he/she attends classes for a minimum of 30% of the total prescribed number of hours • a part-time student who attends classes for 20 to 30% of the total prescribed number of hours can exercise the right to sit for the exam by completing additional teaching activities in agreement with the course teacher • a part-time student who attends the classes of a certain course for less than 20% of the prescribed number of hours re-enrols in the course the following academic year
3.11 Written assignments	

3.12 Required reading	1.	Sanja Brekalo, Uvod u PHP programiranje, Međimursko veleučilište u Čakovcu, 2018
3.13 Additional reading		
	1.	Kevin Tatroe, Peter MacIntyre, Programming PHP: Creating Dynamic Web Pages 4th Edition, O'Reilly, 2020

4. ADDITIONAL INFORMATION ABOUT THE COURSE

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 Međimurje University of Applied Sciences in Čakovec.
4.2 Contact the teacher	Students can contact the teacher during the office hours and during classes. All other methods of communication are arranged with the teacher. 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 University at least 24 hours in advance.

5. ELABORATION OF THEMATIC UNITS

Week	Topic	Course outcome
1.	Basic concepts related to PHP, course introduction, basic language properties	O1
2.	Embedding code on web pages, syntax, comments, printing in a web browser	O1
3.	Functions and Arrays	O1
4.	Strings	O1
5.	Files	O1
6.	OOP PHP	O1
7.	Forms	O2

8.	MySQL	O4
9.	Sessions	O3
10.	Security	O3, O4
11.	AJAX	O5
12.	Uploads	O5
13.	Image processing	O5
14.	Connecting and structuring CMS systems	O5
15.	Making the final assignment	O5