Institute of Software Design and Development			Elective subject: 2025-26-2		
Course title:	Code	Credits	Course hours		
			ea	tgy	lab
Web development using PHP/Symphony	NSWWD1EBNF	6	Weekly	2		2
Course leaders: Dr. Király Zoltán			Position: Assistant Professor		
Oktató(k): Dr. Király Zoltán					
Prerequisites:		N__SS1____	Szakmai szigorlat		
Assessment method::		exam			

Course material
Learning objectives: Students should familiarize themselves with the basics of PHP programming and advanced PHP programming. Be able to independently create interactive web pages. Be aware of the dangers plaguing websites. Be able to eliminate the most common sources of danger with the help of PHP elements. Learn the basics of the Symfony framework.
Syllabus: Introduction to PHP programming. Management of server-side data, beacons, databases in PHP. PHP Defense Strategies. Commonly used PHP functions. Introduction to the use of the Symfony framework.

Semester schedule	
teaching week (consultation)	Thematic unit
1.	Web server, MySQL server PHP compiler installation. Basics of PHP. Characteristics of weakly typed languages. PHP variables, functions,
2.	PHP file management, TXT file management, HTML form management
3.	PHP OOP; MySQL management basics, guest book
4.	PDO treathment
5.	Session, cookie management
6.	PHP XML handling, simple, DOM
7.	Midterm 1
8.	PHP DIG, security
9.	PHP error handling
10.	Symfony basig, Twig
11.	Doctrine
12.	Symphony modes
13.	Midterm 2
14.	Supplementary midterm

Midterm Requirements	
Évközi jegy / aláírás megszerzésének feltételei:	Achieving a score of better than 50% on the two tests separately is the signature.

Midterm Tests	
Teaching Week	Témakör
6	Use of PHP basics, MySQL, TXT files
13	Advanced PHP
14	From the materials of previous tests

Requirements for Obtaining a Semester Grade / Signature)

The successful (>50%) completion of the two tests is required for the signature.

Make-up Procedure

A ZH / évközi jegy / aláírás pótlásának módja:	Both tests are made up in the last week.

Type of Examination

Knowledge of the learned elements of PHP and Symfony must be demonstrated in the exam.

Grading Method for the Exam

Final grade = the arithmetic mean of the exam and ZH grades. In all areas min. 50% must be achieved.

How to calculate the value marks:

Achived result	Certificate of Merit
89%-100%	excellent (5)
76%-88<%	good (4)
63%-75<%	satisfactory (3)
51%-62<%	pass (2)
0%-50<%	fail (1)

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References

Required Reading:	SensioLabs: Symfony - The Book (http://symfony.com/doc/current/book/index.html) http://w3schools.com/HTML/default.asp; http://w3schools.com/PHP/default.asp; http://uk.php.net/
Recommended Reading:	C. Musciano, B. Kennyedy: HTML & XHTML, The Definitive Guide [O'Reilly, 2000, pdf, ISBN 9780596527327] D. Sklar, A. Trachtenberg: PHP Cookbook [O'Reilly, 2002, pdf, ISBN 9781565926813] J. Castagnetto, H. Rawat, S. Schumann, C. Scollo, D. Veliath: Professional PHP Programming [Wrox Press Ltd, 1999, pdf, ISBN 1-861002-96-3]

| | M. Maslakowski: Teach Yourself MySQL in 21 Days [Sams, 2000, pdf, ISBN: 9780672319143]

http://symfony.com/doc/current/index.html |