



Syllabus

Term: 2022/23/2

Subject name: Web Programming 2.

Subject code: IVB475ANMI

Unit (Unit code) (MIK-IV)

Lecturer responsible for the course: LÉNÁRT Anett

Requirement: Mid-semester grade

Classes per week : 0/0/2/0

Classes per term: 0/0/10/0

Purpose of education:

After successful completion of the course students will be able to create relatively complex applications using the apparatus of both client and server side.

Contents:

All the knowledge contained by this subject can be found in the published source codes (created during the lessons).

Week by week:

1. A short repeat of html and css, checking forms with Javascript
2. processing data with PHP, the use of variable `$_POST`, sending messages with PHP
3. how to connect to a database with PHP, inserting data with PHP, database operations with PHP
4. checking the form fields with PHP functions, use of self referential forms
5. how to handle data which are stored in files, uploading and storing jpg, jpeg, etc, the use of `require_once`
6. planning a surveillance page, creating scripts to remove records, GET, POST, HTTP authentication
7. test 1



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8. protecting data against SQL injection
- 9 Creating a so called Mismatch application
10. creating a "sign in" interface
11. cookies
12. sessions
13. modelling of databasis, normalized databasis
14. CAPTCHA, Youtube, etc
15. test 2

System of examing and valuation:

Students whose midyear grade is at least 2 have the opportunity to improve it. A grade can be made better by demonstrating of a solution of a task based on the student's own idea. In a case like this the original grade can be incremented by maximum one.

In the case of having a performance evaluated on the closed range of 30 – 40%, the student can write a test to improve / correct his / her evaluation. In a case like this the test is about the material of the whole semester. The final grade is calculated according to the following expression:

$$\text{final grade} = ((\text{test1} + \text{test2}) / 2 + \text{corrective}) / 2$$

Each test which has not been written during the semester counts with 0 value in the expression above.



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System of examing and valuation:

Grade calculation as a percentage

fail(1) 0 - 39%

pass(2) 40 - 54%

satisfactory 55 - 69%

good(4) 70 - 84%

excellent(5) 85 - 100%

Bibliography:

<https://www.w3schools.com/>

Also, the published source codes (created during the lessons).