Study program: Informatics	
Course title: Web Programming 2	
Professor/assistant: Zoran D.Mirović	
Type of course: Elective	
ECTS credits: 6	
Prerequisites: none	

Aims of the course: An introduction to the history and basics of the PHP programming language. Working with forms, access to databases, and SQLite databases. Getting acquainted to XML and Object – relational mapper.

Learning outcomes: The student understands basics of the PHP programming language. The student can use forms, access the databases, and perform data transactions; he understands operation of SQLite databases and XML.

Syllabus:

Theoretical part:

    Basics of PHP

    Basics of the language structure

    Variables, dates, time

    Arrays

    Functions

    Work with forms

    Object - oriented concepts

    Files

    Access to databases and transactions

    SQLite databases

    XML

    Regulatory expressions

    Doctrine – Object – relational mapper

Practical part:

Practical training – An application of the acquired theoretical knowledge for writing programs in PHP programming language, database use, and XML. Solving specific tasks using the acquired knowledge.

Literature:

1. David Sklar, Adam Tratchenberg, PHP kuvar, Mikro knjiga, 2008
2. PHP 5 Beginning PHP and MySQL, from Novice to Professional, W. Jason Gilmore, APRESS, 2007
3. Steve Prettyman, Naučite PHP7, Kompjuter biblioteka, 2016

Total number of active classes: 75	Lectures: 30	Practical classes: 45

Teaching methods: Working with students during lectures, auditory and practical exercises. During lectures, in debates and discussions, students are encouraged to think and work creatively.

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Grading system (maximum 100 points)

grading scale from 5 to 10: below 51 points – student fails the exam, grade 6 from 51- 60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91- 100 points.

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Pre-exam obligations:	Points:	Final exam:	Points:
Activity during theoretical lectures	max 5	Written exam	50
Practical training	max 5		
Written test(s)	max 25		
Term papers	max 15		
Minimum requirement for the final exam	30		