# COURSE DESCRIPTION CARD - SYLLABUS

Course name
Web Page Design [S1IZarz1E>PSWWW]

## Course

Field of study
Engineering Management

Year/Semester
3/6

Area of study (specialization)
–

Profile of study
general academic

Level of study
first-cycle

Course offered in
English

Form of study
full-time

Requirements
elective

## Number of hours

Lecture
15

Laboratory classes
0

Other
0

Tutorials
15

Projects/seminars
0

## Number of credit points

2,00

## Coordinators

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## Lecturers

## Prerequisites

The student starting this subject should have a basic knowledge of using a computer and a computer browser. He should also be able to obtain information from specified sources and be willing to cooperate as part of a team.

## Course objective

Basic computer and internet browser skills, ability to obtain information from indicated sources and willingness to work in a team.

## Course-related learning outcomes

Knowledge:
The student explains the basics of HTML5, including the structure of a document, the use of tags and attributes, and text operations [P6S_WG_08].
The student identifies and describes web technologies used in software development, including web servers and FTP/SCP connections [P6S_WG_13].
The student describes the basics of Cascading Style Sheets (CSS) and their application on a web page, as well as an introduction to the Bootstrap framework [P6S_WG_15].

Skills:
The student plans and executes web design projects using HTML5, CSS, Bootstrap, and WordPress, interpreting results and drawing conclusions [P6S_UW_09].
The student analyzes the technical and aesthetic aspects of web design, applying the knowledge gained to solve design problems [P6S_UW_11].
The student conducts a preliminary economic analysis of web page projects, assessing their efficiency and usability [P6S_UW_12].

Social competences:
The student demonstrates an awareness of the importance of a systemic approach in web design, considering technical, economic, marketing, legal, organizational, and financial aspects [P6S_KO_02].
The student appreciates the non-technical aspects of creating web pages, including their impact on users and society, and is aware of the responsibility associated with making design decisions [P6S_KR_01].

## Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture: Knowledge acquired during the lecture is verified by completing one problem-solving task and a final test, pass mark: 50% of points. Exercises: During the semester, you must complete 4 tasks described in the course. Each task is assessed on a scale of 0-100 points. The points are converted into a final grade.

## Programme content

Lecture:
1. Introduction to websites
2. Internet technologies when creating software
3. Basics of HTML5: document structure, use of tags and attributes, text operations.
4. HTML5 language continued: links, tables, forms on a website
5. Cascading CSS Style Sheets - an introduction to CSS styles and their use on the website.
6. Bootstrap - description and presentation of the framework.
7. Internet servers - connection to FTP / SCP.
8. Wordpress - installation, configuration and creation of websites based on a content management system.

Tutorials:
1. Basics of HTML5: document structure, use of tags and attributes, text operations.
2. HTML5 language continued: links, tables, forms on a website
3. Cascading CSS Style Sheets - introduction to CSS styles and their use on the website.
4. Bootstrap - description and presentation of the framework.
5. Internet servers - connection to FTP / SCP.
6. Wordpress - installation, configuration and creation of websites based on a content management system.
7. Using DIVI as an add-on to wordpress to create websites

## Course topics

Lecture: Introduction, CSS, PHP, SQL.
Exercises: CSS, PHP, SQL.

## Teaching methods

Lecture: multimedia presentation, illustrated with examples given on the board. Exercises: multimedia presentation, presentation illustrated with examples given on the board and carrying out tasks given by the instructor - practical exercises.

## Bibliography

Podstawowa
1. Włodarczak Z., Technologie i usługi internetowe; PHP, Wydawnictwo Politechniki Poznańskiej, Poznań 2013

2. Borucki A., Włodarczak Z., Techniki opracowywania stron WWW, Wydawnictwo Politechniki Poznańskiej, Poznań 2013

Uzupełniająca
1. Duckett J., JavaScript i jQuery. Interaktywne strony WWW dla każdego, Helion, Gliwice 2015
2. Duckett J., HTML i CSS. Zaprojektuj i zbuduj witrynę WWW. Podręcznik Front End Developera, Helion, Gliwice 2014
3. Lis M., PHP7. Praktyczny kurs, Helion, Gliwice 2017

## Breakdown of average student's workload

| | Hours | ECTS |
|---|---|---|
| Total workload | 75 | 3,00 |
| Classes requiring direct contact with the teacher | 30 | 1,00 |
| Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation) | 45 | 2,00 |