



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Web Page Design [N1IZarz1>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

Polish

Form of study

part-time

Requirements

elective

### Number of hours

Lecture

8

Laboratory classes

0

Other

0

Tutorials

10

Projects/seminars

0

### Number of credit points

2,00

### Coordinators

dr inż. Michał Trziszka

### 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

The aim of the lectures is to provide the knowledge needed for independent website design. The purpose of the exercises is to design and build a simple website.

### 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:

Knowledge acquired during the lecture is verified by one colloquium at the last lecture. The test consists of 10-15 questions (test and open), variously scored. Passing threshold: 50% of points. The final grade of the lecture is a grade from the colloquium. Final issues on the basis of which questions are prepared will be sent to students by e-mail using the university e-mail system.

Skills acquired as part of the laboratory classes are verified on the basis of two formative assessments: a final test, consisting of 5-7 tasks with various points depending on their level of difficulty, whose final threshold is 50% of the points, and the evaluation of the developed sample website. The final grade from the laboratory is based on the average of the forming grades.

### 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

none

### Teaching methods

1. Lecture: multimedia presentation, illustrated with examples on the board.
2. Laboratory exercises: multimedia presentation illustrated with examples given on the board and performance of tasks given by the teacher - practical exercises.

### Bibliography

Basic:

Ćwiczenia praktyczne HTML5, Danowski Bartosz, Wydawnictwo Helion, 2012

Bootstrap w 24 godziny, Kyrnin Jennifer, Wydawnictwo Helion, 2016

Additional:

Bootstrap. Praktyczne projekty, Kortas Michal, Wydawnictwo Helion, 2016

### Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,00
Classes requiring direct contact with the teacher	18	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	32	1,50