COURSE DESCRIPTION CARD - SYLLABUS

Course name

Web Page Design

Course

Field of study

Engineering Management

Year/Semester

3/6

Area of study (specialization)

Profile of study

general academic

Level of study

First-cycle studies

Course offered in

Polish

Form of study

full-time

Requirements

elective

Number of hours

Lecture

15

Laboratory classes

Other (e.g. online)

Tutorials

15

Projects/seminars

Number of credit points

2

Lecturers

Responsible for the course/lecturer:

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Responsible for the course/lecturer:

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

Teaching methods

1. Lecture: multimedia presentation, illustrated with examples on the board.

2. Laboratory classes: multimedia presentation illustrated with examples given on the board and performance of tasks given by the teacher - practical tutorials.

Bibliography

Basic

Cwiczenia praktyczne HTML5, Danowski Bartosz, Wydawnictwo Helion, 2012

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

Additional

Responsive Web Design with HTML5 and CSS - Fourth Edition: Build future-proof responsive websites using the latest HTML5 and CSS techniques, Ben Frein, 2022

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

Breakdown of average student's workload

	Hours	ECTS
Total workload	75	3,0
Classes requiring direct contact with the teacher	30	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests, project preparation) [1]	45	2,0

[1] delete or add other activities as appropriate