



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Web Page Design

Course

Field of study

Engineering Management

Area of study (specialization)

Level of study

First-cycle studies

Form of study

part-time

Year/Semester

3/6

Profile of study

general academic

Course offered in

Polish

Requirements

elective

Number of hours

Lecture

8

Laboratory classes

Tutorials

10

Projects/seminars

Number of credit points

2

Lecturers

Responsible for the course/lecturer:

Michał Trziszka Ph.D., Eng.

Responsible for the course/lecturer:

Faculty of Engineering Management

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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

1. knows methods and tools for data collection, processing and selection and distribution of information
2. has basic knowledge of the life cycle of socio-technical systems



3. has basic knowledge of the life cycle of industrial products

Skills

1. is able to plan and carry out experiments, including computer measurements and simulations, interpret obtained results and draw conclusions
2. is able - when formulating and solving engineering tasks - to see their systemic, socio-technical, organizational, economic and non-technical aspects
3. is able to make a preliminary economic analysis of engineering activities undertaken

Social competences

1. is aware that creating products that meet the needs of users requires a systematic approach taking into account technical, economic, marketing, legal, organizational and financial issues
2. is able to prepare and implement business ventures

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 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	2,0
Classes requiring direct contact with the teacher	18	0,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	32	1,5

¹ delete or add other activities as appropriate