

SYLLABUS

Name: Computing Technologies and Information Processing (ZIPAOZ>SI1CTaIP22O)

Name in Polish:

Name in English: Computing Technologies and Information Processing

Information on course:

Course offered by department: Faculty of Organisation and Management

Course for department: Silesian University of Technology

Study level and form: [Bachelor's degree](#)

Term: [Summer semester 2023/2024](#)

Coordinator of course edition: [Mateusz Naramski](#)

Default type of course examination report:

ZAL

Language:

English

Course homepage:

<https://platforma.polsl.pl/roz/course/view.php?id=1082>

ECTS

3

Short description:

The purpose of the course: Gaining knowledge and skills in the field of Internet technologies used to publish business and technical data

Description:

Lab.:

1. Communication in wide area networks (remote desktop, cloud applications)
2. Building and editing a website using hypertext markup language, CSS and JS style sheets.
3. Examples of Website Builder Software
4. Installation and configuration of the selected content management system (CMS) for the needs of the enterprise
5. Building a responsive company or product website for the needs of the enterprise using the selected content management system

Number of hours of classes with direct participation of academic teachers or other persons conducting classes and students:

Laboratory: 30h

Number of hours devoted to the student's own work

Own work in the laboratory: 60h

Total Hours: 90

Number of ECTS credits: 3

including

The number of ECTS points obtained during classes conducted with the direct participation of academic teachers or other persons, teachers and students: 1

Bibliography:

Basic:

1. Michael Nelson David Ezeanaka.: Learn to Design a Website for Your Business, Using WordPress for Beginners, LIGHTNING SOURCE INC 2019.
2. Scott Wilson. Wordpress for Small Business: Easy Strategies to Build a Dynamic Website with Wordpress CALLISTO MEDIA INC 2015
3. David R. Brooks.: Guide to HTML, JavaScript and PHP For Scientists and Engineers, Springer London 2011

Extended:

1. Michael Cordova., Wordpress Websites For Business, WildBlue Press 2017
2. Simon King Kuen Chang Understanding Industrial Design: Principles for UX and Interaction Design OREILLY MEDIA 2016

Learning outcomes:

1. Has basic knowledge of modern Internet technologies used in business.(K1A _W7)
2. Has basic knowledge of methods, tools and programming languages in the Internet environment (K1A _W3)
3. The student understands the principles of operation of the wide area network and application servers(K1A_U7)
4. The student has the skills to design and create a static company website (K1A_U4, K1A _K1)
5. The student has the skills to design and create a dynamic website for the needs of the company using the selected content management system (K1A_U3, K1A _K1)

Assessment methods and assessment criteria:

Lab:

Passing criterion: obtaining a fixed number of points.

Practical placement: