

COURSE GUIDE

<u>Subject name</u>	Information Technology
<u>Course of study</u>	Quality and Production Management
<u>The form of study</u>	Full-time
<u>Level of qualification</u>	First
<u>Year</u>	I
<u>Semester</u>	I
<u>The implementing entity</u>	Department of Management Information Systems
<u>The person responsible for preparing</u>	Pawet Kobis, Ph.D.
<u>Profile</u>	General Academic
<u>Course type</u>	principal
<u>ECTS points</u>	4

TYPE OF TEACHING – NUMBER OF HOURS PER SEMESTER

LACTURE	CLASSES	LABORATORY	PROJECT	SEMINAR
15		30		

COURSE AIMS

- C1. Presenting the applications of CMS systems in building websites.
- C2. Developing the ability of practical application of the discussed in the lectures problem domain concerning applying the selected CMS system to build a website

ENTRY REQUIREMENTS FOR KNOWLEDGE, SKILLS AND OTHER COMPETENCES

- 1. The student possesses basic knowledge of using a computer.
- 2. The student possess an ability to apply in practice the knowledge acquired in the lectures

LEARNING OUTCOMES

- EU1 - The student can create a virtual internet account to create web applications
- EU2 - The student can install the selected CMS system supporting the process of website creation
- EU3 - The student can practically use the possibilities of CMS to create their own website
- EU4 - The student possesses the knowledge in the scope of database use, which support the operations of CMS systems

COURSE CONTENT

Type of teaching – LECTURE	Number of hours
W1 - Basic information concerning CMS systems	1
W2, W3 - CMS Systems - basic information. The notions of hosting, domain. Updating CMS systems. Databases that cooperate with CMS systems. SSL protocol.	2
W4 - Basic configuration of selected CMS system. User interface characteristics.	1
W5 - CMS system settings. CMS system security.	1
W6 - Content creation: articles, websites, WYSIWYG editor. Creating friendly URL addresses.	1
W7 - Creating menu, contact form, PHP filter. Taxonomy.	1
W8, W9 - Types of content. Creating new type of content. Executing the content such as: Blog, Forum, Survey, Comments.	2
W10, W11 - Website layout. Changing the skin. Using commonly available graphic templates and their implementation in the system.	2
W12 - Managing users in the system. Adding roles and rights.	1
W13, W14 - Extending the functionality of the CMS system with additional modules.	2
W15 - Launching the website.	1
Type of teaching – LABORATORY	Number of hours
L1, L2 - Classes introducing the problem domain, principles of carrying out laboratory classes and their evaluation, statute of the computer workshop.	2
L3 - Setting up a hosting account and domain. Defining safe access passwords.	1
L4, L5, L6, L7 - Installation of DRUPAL 8.x. system. User configuration. Polish version installation. Multilanguage feature of the system - installing modules and configuring them. Configuring the system to display friendly addresses.	4
L8, L9 - Creating menu and basic contents on the website. Creating own content. WYSIWYG editor - installation and configuration.	2
L10, L11, L12, L13 - The VIEW module - installation, configuration and application to create unusual views.	4
L14, L15 - Implementing own skin to CMS system using the contents of websites that offer free graphic solutions.	2
L16 - L28 - Creating own websites based on the DRUPAL 8.x system - project task.	13
L29, L30 - Project evaluation. Granting credits.	2

TEACHNING TOOLS

1. Scripts, electronic documentation of the application
2. Computer equipment
3. E-learning platform
4. Internet applications, CMS systems.

WAYS OF ASSESSMENT (F – FORMING, P – SUMMATIVE)

- F1. Assessment of particular stages of work
 F2. Assessment of tasks performed in e-learning
 P1. Assessment of independently created website

STUDENT WORKLOAD

Form of activity		Average number of hours for realization of the activity		
		[h]	ECTS	ECTS
Contact hours with the teacher	LECTURE	15	0.6	0.6
Contact hours with the teacher	Laboratory	30	1.2	2.4
Preparing to classes		30	1.2	
Getting Acquainted with the indicated literature		20	0.8	0.8
Consultation		5	0.2	0.2
TOTAL NUMBER OF HOURS / ECTS CREDITS FOR THE COURSE		Σ 100 h	Σ 4 ECTS	

BASIC AND SUPPLEMENTARY RESOURCE MATERIALS

Basic resources:

1. Nordin D., *Planning and Managing Drupal Projects. Drupal for Designers (ebook)*, O'Reilly Media, California, United States, 2011.
2. Byron A., Berry A. & De Bondt B., *Using Drupal*, O'Reilly Media, Inc., Sebastopol 2012
3. Drupal website: www.drupal.org

Supplementary resources:

1. Nordin D., *Design and Prototyping for Drupal. Drupal for Designers (ebook)*, O'Reilly Media, California, United States, 2011
 2. Nordin D., *Drupal Development Tricks for Designers. A Designer Friendly Guide to Drush, Git, and Other Tools* (ebook), O'Reilly Media, California, United States, 2012
 3. Kobis P., Dudek D., *IT Tools to Support Training in Enterprises*, [w:] L. Varkoly (eds.), *Present Day Trends of Innovations 3*, s. 34-41.
- 3.

TEACHERS (NAME, SURNAME, E-MAIL ADDRESS)

1. Paweł Kobis pawel.kobis@wz.pcz.pl
2. Grzegorz Chmielarz grzegorz.chmielarz@wz.pcz.pl

MATRIX OF LEARNING OUTCOMES REALISATION

Learning outcome	Reference of given outcome to outcomes defined for whole program (PRK)	Course aims	Course content	Teaching tools	Ways of assessment
EU1	K_W08, K_U07, K_K02	C1, C2	W1-W3 L2	1,2,3	F1
EU2	K_W08, K_U07, K_K02	C1, C02	W1-W4 L3	1,2,3	F1
EU3	K_W08, K_U07, K_K02	C2	W2-W15 L3-L28	1,2,3,4	F1, F2, P1
EU4	K_W08, K_U07, K_K02	C1,C2	W1-W3, L2	1,2,3,4	F1, F2

FORM OF ASSESSMENT - DETAILS

	grade 2	grade 3	grade 4	grade 5
EU1	Student cannot create a virtual internet account to create websites	Student knows selected steps indispensable to create a virtual internet account to create websites	Student can create a virtual internet account to create websites with a little help of the teacher	Student can create a virtual internet account to create websites
EU2	Student cannot install any CMS system that supports website creation	Student can install a selected CMS system that supports website creation only with a help of an automated creator	Student knows most of steps necessary to install the selected CMS system that supports website creation	Student can install the selected CMS system that supports website creation
EU3	Student cannot create a website on the basis of the CMS system	Student can use essential possibilities of CMS to create a simple website	Student can practically use majority of CMS possibilities to create an own website	Student can practically use the possibilities of CMS to create a simple website
EU4	Student does not possess knowledge in the scope of using databases that support the work of CMS systems	Student possesses elementary knowledge in the scope of using databases that support the work of CMS systems	Student possesses full knowledge in the scope of using databases that support the work of CMS systems	Student possesses knowledge in the scope of using databases that support the work of CMS systems

ADDITIONAL USEFUL INFORMATION ABOUT THE COURSE

1. Information where presentation of classes, instruction, subjects of seminars can be found, etc. - presented to students during first classes, if required by the formula classes are sent electronically to the e-mail addresses of individual dean groups.
2. Information about the place of classes - Information can be found on the website of the Faculty of Management.
3. Information about the timing of classes (day of the week / time) - Information can be found on the website of the Faculty of Management
4. Information about the consultation (time + place) - Information can be found on the website of the Faculty of Management

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Coordinator