1. INFORMATION ABOUT THE COURSE

A. Basic information

Name of course	***Web services design***
Study level	*First degree*
Unit running the study programme	*Faculty of Telecommunication, Computer Science and Electrical Engineering*
Study programme	*Applied computer science*
Speciality	
Name of teacher (s) and his academic degree	*Michał Kruczkowski, PhD*
Introductory courses	
Prerequisites	*Basis of HTML*

B. Semester/week schedule of classes

Semester	Lectures	Classes	Laboratories	Project	Seminars	Field exercises	ECTS
summer	15		15				2

2. EFFECTS OF EDUCATION (acc. to National Qualifications Framework)

Knowledge	*on successful completion of the course the student will know how to build a web page, will know how to use the template files, what is it responsively, what are the advantages of using ready-made CMS solutions*
Skills	*on successful completion of the course the student is will be able to design a website with the use of the latest versions of HTML, CSS and JavaScript. They will be able to implement templates, and install and configure CMS*
Competences	*on successful completion of the course student is supposed to: actively participate in the team working on developing and projecting web sites, will be able to independently develop new features for data processing as well as collaborate with a team in developing templates for CMS.*

3. TEACHING METHODS

multimedia lecture, laboratory

4. METHODS OF EXAMINATION

written exam, on the lab - project of simple web

5. SCOPE

Lectures	*Overview of structure of the html document, Building an extensive web pages, menu on the website, Cascading Style Sheets, the use of JavaScript in the HTML document, construction and operation of forms. Presentation of selected CMS systems, installation and configuration CMS.*
Laboratories	*Design and implementation of a simple website, design template CSS and attach it to the project. Installation, configuration and administration of Wordpress CMS. How to change and fix template in CMS.*

6. LITERATURE

Basic literature	1. *Schmitt Ch., Simpson K., 2012, HTML5 Cookbook, O'Reilly Media Inc.* 2. *Powell Thomas A., 2010,HTML & CSS: The Complete Reference, Fifth Edition, The McGraw-Hill Companies*

	3. POUNCEY I., YORK R.,2011, Beginning CSS: Cascading Style Sheets for Web Design, Third Edition, Wiley Publishing, Inc *4. Matt Doyle,2010, Beginning PHP 5.3, Wiley Publishing, Inc*
Supplementary literature	*1. Tiggeler E.,2013, Joomla! 3 Beginner's Guide, Packt Publishing* *2. Shreves R., 2011, WordPress 3 Cookbook, Packt Publishing* *3. Borchert S., Schirwinski A., 2015, Drupal 8 Configuration Management, Packt Publishing*