STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Web Page Design		**1011101251011164059**
Field of study	Profile of study (general academic, practical)	Year /Semester
Engineering Management - Full-time studies -	**(brak)**	**3 / 5**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
-	**Polish**	**elective**
Cycle of study:	Form of study (full-time,part-time)	
First-cycle studies	**full-time**	

No. of hours				No. of credits
Lecture: **15**	Classes: **15**	Laboratory: **-**	Project/seminars: **-**	**4**

Status of the course in the study program (Basic, major, other)	(university-wide, from another field)
(brak)	**(brak)**

Education areas and fields of science and art	ECTS distribution (number and %)
technical sciences	**4 100%**
Technical sciences	**4 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	The Information Technology course of the first Term
2	**Skills**	The skills of the Computer Science and Information Technology courses of the first Term
3	**Social competencies**	The interest in the fruitful and responsible use of information technology.

Assumptions and objectives of the course:

-Students should know basic standards for Web Page design both static and dynamic. They should understand the logical structure of a document, its formatting and interfaces with data bases and external processing applications. They should be able to prepare web site using HTML, CSS and simple PHP scripts.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Has basic knowledge about the life cycle of socio-technical systems - [K1A_W23]

Skills:

1. Can - when formulating and solving engineering tasks - recognize their systemic, socio-technical, organizational and economic and non-technical aspects - [K1A_U14]
2. Can make a preliminary economic analysis of engineering activities - [K1A_U15]

Social competencies:

1. Is aware of the importance and understands the non-technical aspects and effects of engineering activities, including its impact on the environment, and the related responsibility for decisions - [K1A_K08]
2. Is aware that creating products that meet the needs of users requires a systemic approach with regard to technical, economic, marketing, legal, organizational and financial issues - [K1A_K09]

Assessment methods of study outcomes

Formative assessment

laboratories: current assessment of exercise completion and practical tests

lectures: quiz

Final grading

laboratories: average of current assessment credits

lectures: written exam

Course description

-Lectures:

Web page design evolution from early stages to HTML5 and XML. The concept of logical structure and formatting separation - CSS. Active elements on the client side: JavaScript tools and libraries. Dynamic document generation on the server side: examples of PHP scripting. HTML forms and collecting data from the users. The Web Page life cycle. Design framework of Content Management Systems.

Laboratories:

Web page design exercises based on examples and building blocks explained in lectures. This includes both static HTML and JavaScript and PHP scripting.

Program methods:

-information

- Works with a book

-The case method

- Demonstration method

- workshop method

Basic bibliography:

1. Eric A. Meyer Eric Meyer on CSS. Mastering the language of Web Design Pearson Education Inc., New Riders Publishing 2003

2. Luke Welling, Laura Thomson PHP and MySQL. Web Development Sams Corporation 2002

3. Włodarczak Z., Technologie i usługi internetowe; PHP, Wydawnictwo Politechniki Poznańskiej, Poznań 2013

4. Borucki A., Włodarczak Z., Techniki opracowywania stron WWW, Wydawnictwo Politechniki Poznańskiej, Poznań 2013

Additional bibliography:

1. The Internet resources Javascript and PHP scripts libraries

2. The Internet resources HTML5 tutorials and documentation

3. Eric A. Meyer Eric Meyer on CSS. Mastering the language of Web Design Pearson Education Inc., New Riders Publishing 2003

4. Luke Welling, Laura Thomson PHP and MySQL. Web Development Sams Corporation 2002

Result of average student's workload

Activity	Time (working hours)
1. Attendance and participation in lectures and laboratory classes	30
2. Preparation for the classes	30
3. Consultations with the instructor	16
4. Preparation for the credits	20
5. Preparation for the final assessment	4

Student's workload

Source of workload	hours	ECTS
Total workload	100	4
Contact hours	50	3
Practical activities	15	1