STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Web Page Design		**1011101351011164059**
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%**

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. Students will understand the structure of Websites and challenges in their design. - [K03-InzA_W01]
2. They will be able to describe the structure of HTML document and CSS file. - [K03-InzA_W01]
3. Students will understand the principles of scripts and HTML document interation. - [K03-InzA_W01]

Skills:

1. Students should be able to prepare Website using given examples and building blocks. They should be able to apply ready to use scripts to HTML documents. - [K01-InzA_U3]
2. Students are able to analyze user needs and design Web page structure that meets the requirements. - [K01-InzA_U3]
3. Able to analyze the structure of existing page for its maintenance costs. - [K01-InzA_U4]

Social competencies:

1. They should be aware of responsible design of Web pages. - [K01-InzA_K01]
2. Students should recognize benefits of structural systemic approach to the design of big long life cycle Websites. - [K01-InzA_K02]

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.

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

Additional bibliography:

1. The Internet resources Javascript and PHP scripts libraries

2. The Internet resources HTML5 tutorials and documentation

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	2
Practical activities	15	0