

**Course Syllabus****I. General Information**

Course name	Websites design
Programme	Informatics
Level of studies (BA, BSc, MA, MSc, long-cycle MA)	BSc
Form of studies (full-time, part-time)	full-time
Discipline	Informatics
Language of instruction	English

Course coordinator	Rafał Stegierski, PhD
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Type of class ( <i>use only the types mentioned below</i> )	Number of teaching hours	Semester	ECTS Points
lecture			3
tutorial			
classes			
laboratory classes	30	II	
workshops			
seminar			
introductory seminar			
foreign language classes			
practical placement			
field work			
diploma laboratory			
translation classes			
study visit			

Course pre-requisites	
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**II. Course Objectives**

HTML and CSS
jQuery
Preparation of graphics for websites

**III. Course learning outcomes with reference to programme learning outcomes**

Symbol	Description of course learning outcome	Reference to programme learning outcome
<b>KNOWLEDGE</b>		
W_01	The student understands websites design and its place in modern it solutions	K_W01
W_02	Student knew how to properly design web solutions	K_W06
<b>SKILLS</b>		
U_01	Student could select information sources which build up knowledge about web based systems	K_U02
U_02	Student use technical vocabulary to describe system and its elements	K_U04
U_03	The student can design www websites and web based systems	K_U05
U_04	Student has knowledge how to create project, implement it and test according documentation	K_U17
<b>SOCIAL COMPETENCIES</b>		
K_01	Student knew her/his limitations and direction of development for becoming better developer or project manager	K_K01
K_02	Know how to manage team	K_K04

**IV. Course Content**

1. Preparation of the environment 2. HTML 3. Cascading Style Sheets 4. Converting images for HTML / CSS 5. Programming with jQuery
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**V. Didactic methods used and forms of assessment of learning outcomes**

Symbol	Didactic methods (choose from the list)	Forms of assessment (choose from the list)	Documentation type (choose from the list)
<b>KNOWLEDGE</b>			
W_01	Conversational lecture	Exam	
W_02	Conversational lecture	Exam	
<b>SKILLS</b>			
U_01	Project-based learning	Preparation of the project	Project rating card
U_02	Project-based learning	Preparation of the project	Project rating card
U_03	Project-based learning	Preparation of the project	Project rating card

U_04	Project-based learning	Preparation of the project	Project rating card
SOCIAL COMPETENCIES			
K_01	Brainstorming/ discussion group	Observation	
K_02	Brainstorming/ discussion group	Observation	

## VI. Grading criteria, weighting factors.....

For the grade 3:

- List and briefly describe all HTML 5 tags.
- Provide the structure of a blank HTML 5 document.
- List and characterize the properties of text, colors, margins.
- List and find documents defining standards applicable in the network.
- Create documents using all HTML 5 tags and CSS 3 properties learned.
- Is able to independently prepare basic examples demonstrating advanced issues related to the positioning of elements.
- Can use CSS selectors, HTML5 events, element content and attributes, visual effects.
- Indicate sources of data not covered by copyright.
- Identify and characterize free and commercial hosting services.
- Indicate the specifications, organizations setting service standards and opinion leaders.
- Search the specifications for specific information

For the 4 grade:

- Provide a detailed description of the tags defining the document structure with variants of use and the resulting consequences.
- List and characterize the properties of lists, tables and images.
- Describe methods for checking compliance of documents with standards.
- Indicate sources of information on standards and current trends on the Internet.
- Verify the correctness of the code created by yourself (without the use of tools) at the level of element nesting.
- Can combine base solutions to create larger layout structures.
- Can assess possible legal problems related to his own projects.
- Publish your own work on the selected server.

- Find the latest statistics and specifications on specific trends and issues.
- Interpret found information.

For the 5th grade:

- Provide a detailed description of the general attributes and any other tags.
- List and characterize the properties of the box model, layers and advanced positioning of elements in CSS.
- Describe negative margins and tiling.
- Describe various solutions to speed up the process of writing HTML and CSS code.

#### **VII. Student workload**

Form of activity	Number of hours
Number of contact hours (with the teacher)	60
Number of hours of individual student work	180

#### **VIII. Literature**

Basic literature
Robin Nixon, Learning PHP, MySQL & JavaScript 5e (Learning PHP, MYSQL, Javascript, CSS & HTML5), O'Reilly; 5th ed. edition (8 Jun. 2018)
Christopher Murphy , Richard Clark, Beginning HTML5 and CSS3: The Web Evolved (Expert's Voice in Web Development), Apress; 1 edition
Additional literature