

Course code

C.6.

Course item

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1. INFORMATION ABOUT THE COURSE

A. Basic information

Course title	Business Applications Programming
Field of study	Computer Aided Engineering
Cycle	<i>Second</i>
Study profile	<i>Academic</i>
Study mode	<i>Full-time</i>
Specialisation	<i>Not relevant</i>
Unit responsible for the field of study	<i>Faculty of Mechanical Engineering</i>
Lecturer	<i>Dr inż. Beata Marciniak</i>
Introductory courses	<i>Information technology</i>
Prerequisites	<i>Basic knowledge of computer, software installation</i>

B. Semester/ weekly timetable

Semester	Lectures	Classes	Laboratories	Project classes	Seminars	Field experience	ECTS credits
II	15	-	15	-	-	-	2

LEARNING OUTCOMES (acc. to National Qualifications Framework)

No.	Description of learning outcomes	Reference to learning outcomes for the field of study	Reference to learning outcomes for the area of study
KNOWLEDGE			
K1	the student has knowledge that allows you to develop and design the artwork website	CAE_W01	T2A_W02
K2	the student knows the ways to improve the functionality of Web pages through the use of html and scripts	CAE_W08	T2A_W04 T2A_W05
SKILLS			
S1	the student is able, using the available literature and the Internet, to obtain information to improve the functionality of the designed application	CAE_U07	TA_U01
S2	the student is able to prepare a scientific report on the studies carried out	CAE_U08	T2A_U03 T2A_U10
SOCIAL COMPETENCES			
SC1	the student is able to act and think in a creative way	CAE_K06	T2A_K06

2. TEACHING METHODS

multimedia lecture, laboratory classes

2. METHODS OF EXAMINATION

Colloquium, report

3. COURSE CONTENT

Specify the content separately for each type of classes in accordance with point I.B.	<p>LECTURES: Students will learn how to present business content online. Learn the basics of HTML 5 and CSS. Students will learn how to modify the scripts and how to write their own solutions. Learn the basics of graphic design and how to create a template from it.</p> <p>LABORATORY: CMS installation and configuration Designing the structure of the Develop and implement a template Installation of modules and accessories Design your own modules Securing the finished website</p>
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4. VALIDATION OF LEARNING OUTCOMES

(Each learning outcome from the list requires validation methods to ensure that it was achieved by a student.)

Learning outcome	Form of assessment (for example:)					
	Oral examination	Written examination	Colloquium	Project	Report	Test
K1			X		x	
K2			X		x	
S1			X		x	
S2			X		x	
SC1					x	

5. LITERATURE

Basic literature	Podręcznik HTML5 : niezbędny podręcznik dla webmasterów i programistów, którzy chcą szybko zacząć pracę z HTML5! / Bill Sanders ;Wydawnictwo Helion, 2012 Projektowanie systemów CMS przy użyciu PHP i jQuery / Kae Verens; Wydawnictwo Helion, 2012 HTML, XHTML i CSS : nowoczesne tworzenie stron WWW / David Schultz, Craig Cook.
Supplementary literature	PHP : zaawansowane programowanie / Peter MacIntyre, Brian Danchilla, Mladen Gogala; Wydawnictwo Helion, 2012

6. TOTAL STUDENT WORKLOAD REQUIRED TO ACHIEVE EXPECTED LEARNING OUTCOMES EXPRESSED IN TIME AND ECTS CREDITS

Załącznik nr 3 do wytycznych dla rad podstawowych jednostek organizacyjnych do tworzenia nowych i weryfikacji istniejących programów studiów I i II stopnia w UTP w Bydgoszczy

Student's activity	Student workload— number of hours (for example:)
Participation in classes indicated in point 2.2	30
Preparation for classes	5
Reading assignments	10
Other (preparation for exams, tests, carrying out a project etc)	15
Total student workload	60
Number of ECTS credits allocated by the lecturer	2
Final number of ECTS credits (determined by the Programme Council for the Field of Study)	2