Faculty of Civil and Environmental Engineering											
Study programme:	Civil engineering	Degree level: Ba full-time Ba					Ba	chelor's deg	ree		
Specialization			Diploma path:						-		
Module name:	Building materials										
Module type:	obligatory	Se	emester:	2	I	ECTS	5		Module ID:	B023	321
No. of hrs in semester:	L- 30	C-		LC-	30	P-	SW-			S-	
Prerequisites:	Buiding chemistry										
			Assessment: Evaluation must be relevant to the intended learning outcomes								
Teaching methods:	lecture, laboratory class	S	lecture - written exam, laboratory class - evaluation of reports, written tests;								
Aims and objectives:	Classification and technical features of building materials; test methods for determining properties of building materials and their usefulness for particular applications; ability to select proper materials for a given application.										
Module content:	Legal regulations related to standardization of building materials. General classification of building materials and test methods. Definitions of technical properties of building materials. Durability of building materials. Stone materials. Properties and classification of building ceramics. Ceramic goods. Asphalt materials. Building glass. Timber and of timber origin building materials. Classification of steel and other metals; steel goods. Goods made of plastic. Paint materials and glues used in construction industry.										
Learning outcomes									ance to the programme learning outcomes		
LO1	Student applies legal regulations related to building materials						K_W15, K_W16, K_U20				
LO2	Student classifies and identifies building materials							K_W08			
LO3	Student evaluates technical properties of building materials							K_W08, K_W15, K_U07			
LO4	Student interpretes experimental results						K_U08				
LO5	Student selects building materials for a given application						K_W08, K_U07				
LO6	Student uses Internet and other data bases							K_U23			
LO7	Student works in a gro	oup								K_K03	
LO8											

	lecture attendance		15 x 2h =	30		
student workload	participation in classes, labora	15 x 2h =	30			
	preparation for classes, labora		15			
	work on projects, reports, etc.		5			
	participation in student-teache seminar / project	er sessions related to the class /				
	implementation of project tasks	S				
	preparation for and participatic		40			
			TOTAL:	120		
quantitative	Student workload - acti	60	ECTS 2			
indicators	Student workload - practica	70	2,5			
basic references:						
supplementary references:						
learning outcomes	methods of asse	type of class (if more than one) where the outcomes are assessed				
LO1	written exam, evaluating the st	L, LC				
LO2	written exam, evaluating the st	L, LC				
LO3	evaluating the student's report	LC				
LO4	evaluating the student's report	LC				
LO5	written exam, evaluating the st	L, LC				
LO6	written exam, written test	L, LC				
LO7	participation in laboratory class	L				
LO8						
Department:	Department of Building Materials, Technology and Organization	Group instructors:	Prof. Michał Bołtryk, dr inż. Dorota Małaszkiewicz, dr inż. Dorota Dworzańczyk- Krzywiec, dr inż. Małgorzata Lelusz			
Date:	20.02.2013	Coordinator:	dr inż. Dorota Małaszkiewicz			