

Title of Course	Concrete Technology II		
Semester	Autumn/Spring		
Teaching Hours per Course:	Total	Lectures	Tutorials
		15	15
ECTS Credits	1.0		
The content of education			
Aims of Course	The result of education should be the acquisition by students of skills and competencies in the design of the composition of the concrete mix and concrete with a given exposure class and assessment of concrete compressive strength in structures.		
Program	W1 - Selected requirements of PN EN 206. Acceptance of the quality of the concrete scheme. W2 - Concrete exposure classes according to PN-EN 206. W3 - Determination of the composition of 1 m ³ of concrete on the basis of laboratory test. W4 - W5 - Designing the composition of the concrete mix at a given strength class and the exposure class according to PN-EN 206. W6 - Effect of concrete work and concrete care on the strength of concrete in the structure. W7 - Specification of concrete and concrete works in accordance with PN-EN 206 and PN-EN 13670. W8 - Design of concrete work in winter conditions. W9 - W11 - Assessment of concrete compressive strength in the construction and precast concrete elements in accordance with PN-EN 13791. W12 - High strength concrete. W13 - Self compacting concrete. W14 - Development trends in concrete technology. W15 - Summary of lectures.		
Conditions of completion	Grading Standard: The prerequisite for passing is limited by: Passing colloquium. Final grade of the course is the grade with the colloquium. Grade 2.0; 3.0; 3.5; 4.0; 4.5; 5.0		
Teacher	Ph.D. Jacek Szpetulski		