

Title of Course	Complex Concrete Structures-project		
Semester	Autumn/Spring		
Teaching Hours per Course:	Total	- Lectures:	- Tutorials:
	30	-	30
ECTS Credits	1,5		
The content of education			
Aims of Course	The aim of education process is the acquisition by students skills to design concrete elements and structures taking into account the redistribution of internal forces, understanding of the 3D constructions and prestressed concrete structures and their non-linear characteristics. Familiarization with the principles of idealization non-linear behaviour of the structures. Understanding the essence of the phenomenon of redistribution of internal forces under long-term loads		
Program	-Design tasks: rectangular tank for water, a project to strengthen the construction of the industrial hall by the use of composite structures and shields, prestressed cylindrical tank for sewage or prestressed girder design		
Conditions of completion	<p>The basis for passing is:</p> <ul style="list-style-type: none"> - the presence in all exercises, - a positive evaluation of the final test, - properly executed construction project. <p>A student may be contacted with the teacher by e-mail and consultations</p> <p>Grading Standard: The final grade is a weighted average rating of the project (weight 0.6) and test (weight 0.4). Grade: 2-5 Total Points 1,5 ECTS</p>		
Teacher	Dr Eng. Krzysztof Kamiński		