

## COURSE DESCRIPTION

<b>Name of the Course:</b>		TECHNOLOGY FOR CIVIL AND SPECIAL BUILDINGS						
<b>Specialization Code:</b>		U02.07.ICV.IZ.M26		<b>Course Code:</b>		3.DS.OP13		
<b>Year of study:</b>	2	<b>Semester:</b>	3	<b>Examination form:</b> (E-Exam; Co- Colloquy; P-Project; P/F-Passed/Failed)	<b>Co</b>	<b>ECTS credits granted (CR):</b>	<b>E (Co)</b>	4
							<b>P (P/F)</b>	
<b>Course Category:</b> (DF- Fundamental; DD- General engineering; DS-Specialty engineering; DC-Complementary; PR-Practical stage)								<b>DS</b>
<b>Course Type:</b> (OB-Compulsory; OP-Elective; FC-Facultative)								<b>OP</b>
<b>Number of hours per semester:</b> Total of hours per week (TH) x Number of weeks per semester								
<b>TOTAL :</b>	84	<b>Individual study (IS):</b>		28	<b>Contact hours (C + S;L;P):</b>			56
<b>Academic staff member in charge:</b> (Full name, Academic position and Department)				<i>PhD. Vlad DUMITRESCU</i>				

Faculty	Engineering in foreign languages Master study programme	Number of contact hours per semester				
		Total	Course	Seminar	Laboratory	Project
Field	Civil Engineering					
Specialization	Structural Engineering	56	28	-	28	

### Course objectives - Description of the main competences:

#### Content description:

<b>1. COURSE</b>	<b>I. COURSE (28 hours)</b> 1. Modern technologies for encasing the reinforced concrete structures (sliding formworks, moving formworks, stepped formworks) 6 hours 2. Execution technologies for reinforced concrete tanks 4 hours 3. Execution technologies for reinforced concrete water towers 5 hours 4. Execution technologies for funnels 3 hours 5. Execution technologies for cooling tower 3 hours 6. Execution technologies for reinforced concrete silos 3 hours 7. Technologies for buildings demolition 4 hours
<b>2. Seminar / Laboratory / Project / Practical stage</b>	<b>I. PROJECTS/WORKS/OTHERS (28 hours)</b> 1. Movie projections 4 hours 2. Site visits 10 hours 3. Elaboration of a personal paper 14 hours
<b>3. Bibliography</b>	1. Building Technology I: Materials and Construction - lecture notes. MIT open courseware. <a href="http://ocw.mit.edu/courses/architecture/4-461-building-technology-i-materials-and-construction-fall-2004/lecture-notes/">http://ocw.mit.edu/courses/architecture/4-461-building-technology-i-materials-and-construction-fall-2004/lecture-notes/</a> 2. Building Technology III: Building Structural Systems - lecture notes. MIT open courseware. <a href="http://ocw.mit.edu/courses/architecture/4-463-building-technology-iii-building-structural-systems-fall-2004/lecture-notes/">http://ocw.mit.edu/courses/architecture/4-463-building-technology-iii-building-structural-systems-fall-2004/lecture-notes/</a>

Criteria to be considered for the final mark	Weight of each criterion in the final mark (%)
1. Exam defence (final examination)	50%
2. Appreciation during the entirely semester	
2.1 Seminar activity	
2.1 Laboratory activity	
2.2 Project activity (the project has not a distinct final mark)	
3. Periodical examinations	
3.1 Written / oral examination	50%
3.2 Home works, reports, essays etc.	

4. Other criteria (to be specified)	
Short description of the final evaluation procedure:	

<b>Estimation of the total number of hours per semester requested for the individual study (IS)</b>			
Type of individual activity	No. of hours	Type of individual activity	No. of hours
1. Study of the course notes	10	8. Preparation of the final examination	10
2. Study of the compulsory bibliography		9. Advisory class participation	
3. Study of the supplementary bibliography		10. Practical documentation on site	
4. Preparation of specific activities	8	11. Additional documentation on library	
5. Preparation of home works		12. Internet network documentation	
6. Preparation of periodical written examinations		13. Others (to be specified)	
7. Preparation of periodical oral examinations		<b>TOTAL number of hours</b>	<b>28</b>

**Date:**  
septembre 2017

**Signature of the Academic Staff member in charge:**  
*Vlad DUMITRESCU*