

COURSE DESCRIPTION

Name of the Course:		BUILDINGS AND SPECIAL CONSTRUCTIONS TECHNOLOGIES						
Specialization Code:		U02.07.ICV.IZ.M24.		Course Code:		3.DS.OP15		
Year of study:	2	Semester:	3	Examination form: (E-Exam; Co- Colloquy; P-Project; P/F-Passed/Failed)	E	ECTS credits granted (CR):	E (Co)	6
							P (P/F)	
Course Category: (DF- Fundamental; DD- General engineering; DS-Specialty engineering; DC-Complementary; PR-Practical stage)								DS
Course Type: (OB-Compulsory; OP-Elective; FC-Facultative)								OP
Number of hours per semester: Total of hours per week (TH) x Number of weeks per semester								
TOTAL :	112	Individual study (IS):		56	Contact hours (C + S;L;P):			56
Academic staff member in charge: (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	56	28	-	28	
Specialization	Structural Engineering					

Course objectives - Description of the main competences:

Content description:

1. COURSE	I. COURSE (28 hours) 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
2. Seminar / Laboratory / Project / Practical stage	I. PROJECTS/WORKS/OTHERS (28 hours) 1. Movie projections 4 hours 2. Site visits 10 hours 3. Elaboration of a personal paper 14 hours
3. Bibliography	1. Building Technology I: Materials and Construction - lecture notes. MIT open courseware. http://ocw.mit.edu/courses/architecture/4-461-building-technology-i-materials-and-construction-fall-2004/lecture-notes/ 2. Building Technology III: Building Structural Systems - lecture notes. MIT open courseware. http://ocw.mit.edu/courses/architecture/4-463-building-technology-iii-building-structural-systems-fall-2004/lecture-notes/

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:	

Estimation of the total number of hours per semester requested for the individual study (IS)			
Type of individual activity	No. of hours	Type of individual activity	No. of hours
1. Study of the course notes	20	8. Preparation of the final examination	10
2. Study of the compulsory bibliography	4	9. Advisory class participation	
3. Study of the supplementary bibliography	4	10. Practical documentation on site	
4. Preparation of specific activities	14	11. Additional documentation on library	
5. Preparation of home works		12. Internet network documentation	4
6. Preparation of periodical written examinations		13. Others (to be specified)	
7. Preparation of periodical oral examinations		TOTAL number of hours	56

Date:
15.04.2013

Signature of the Academic Staff member in charge:
Vlad DUMITRESCU