Annex 1 to the Agreement on a Double Degree Programme between the University of Trento, Department of Civil, Environmental Engineering and Tongji University, College of Engineering

Legenda	Conversion
ECTS: European Credits Transfer System (UniTrento)	
CC: Chinese Credits (Tongji University)	

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course title	Course type	5	semes ter	ECTS	CC - recogniz ed
Geotechnics	compulsory		1	9	
Structural safety	compulsory		1	6	
Theory and dynamics of structures	compulsory		1	12	3
Urban planning techniques	compulsory		2	9	
Hydraulic constructions	compulsory		2	6	
Foundation design	compulsory		2	6	
Design of reinforced concrete and steel structures	compulsory		2	12	3
	<u> </u>				
	Total 1st year			60	

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Hull	rrequirer	HEHLS	1st year							
)	F		course title	Course type			semes ter	ECTS - recogniz ed	сс	
			Dynamics of Structures (A)					5,4	3	ï
			Elasticity and Plasticity Resarch progress and research method in Civil			Ĭ		5,4	3	
			Resarch progress and research method in Civil Engineering					3,6	2	
			Advanced Theory of Steel Structure and Composite Structures					5,4	3	
			Numerical Analysis			Ĭ		5,4	3	
			Advanced concrete structure theory					5,4	3	
			Advanced structural testing					3,6	2	ĺ
			Finite Element Method					3,6	2	Ī
			Case studies of mega building structures			Ĭ		3,6	2	
			Professional English Engineering Ethics		:			1,8	1	Ī
			initial indicating carries			Ĭ		3,6	2	Ĭ
			Research on the Theory and Practice of Socialism with Chinese Characteristics						3	
			The history of Marxism						2	
				Total 1st vear				46.8	31	

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Verification of minimum requirements								
В	C	D	F					
5,4								
5,4								
3,6								
5,4								
5,4								
		5,4						
5,4								
3,6								
3,6								
3,6								
			1,8					
			3,6					
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course title	Course type		semes ter	ECTS	CC - recogniz ed	сс	CC sum
Chinese Language Course	compulsory	common		5,4	3	3	
A General View of China	compulsory	common		5,4	3	3	
Engineering Ethics	compulsory	common		3.6	2	2	8
Research frontiers and development trends of civil engineering	compulsory	degree		3,6	2	2	
Academic English for Civil Engineering	compulsory	degree		1.8	1	1	
Numerical Analysis	compulsory	degree		transferred from UniTrento bachelor (Numerical Analysis)	3	3	
Elasticity and Plasticity	elective	degree		transferred from UniTrento bachelor (Solid and structural mechanics)	3	3	
Dynamics of Structures	elective	degree		(transferred from UniTrento Master- Theory and Dynamics of Structures)	3	3	
Advanced Concrete Theory of Structure	elective	degree		(transferred from UniTrento Master - Design of reinforced concrete and steel structures)	3	3	
Advanced Theory of Steel Structures	elective	degree		3,6	2	2	
Finite Element Method	elective	degree		(transferred from UniTrento bachelor - Computational structural mechanics I)	2	2	
Advanced Theory of Bridge Structures	elective	degree		5,4	3	3	
Tunnel Mechanics and Engineering	elective	degree		3,6	2	2	
							24
Structural Wind Engineering	elective	non-degree		3,6	2	2	
Earthquake Engineering	elective	non-degree		3,6	2	2	
Advanced Experimental Techniques in Structural Testing	elective	non-degree		3,6	2	2	
Tall Building Structures	elective	non-degree		3,6	2	2	
Composite Structures I	elective	non-degree				1	
Composite Structures II	elective	non-degree				1	
Structural Rehabilitation and Strengthening	elective	non-degree				2	
Traditional Building Structures in China	elective	non-degree				2	
Probability Analysis in Civil Engineering	elective	non-degree				2 2	8
Professional Practice	compulsory	special program	c	10,8	6	6	0
Code of Academic Integrity		special program		1,8	,	1	
Tongji University Advanced Lectures for Graduate		special program		3,6	1 2	2	
Students Mid-Term Evaluation		special program		0	0	0	
Thesis Proposal		special program		1,8	1	1	10
	Total 2nd year		_	64,8	50	-	10
sum of credits from "compulsory special programs"				18			
Master Thesis and professional internships	<u> </u>			17			35
	tal with thesis			141,8			

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2nd year course title	Course type		Lang uage	Italian scientific sector	semes ter	ECTS	сс
Seismic engineering and structural design - A (6	compulsory	В	IT	ICAR/09	1	6	3,33
Seismic engineering and structural design - B (6 ECTS)	compulsory	В	ΙΤ	ICAR/09	2	6	3,33
Instability of structures (6 ECTS)	elective	В	ΙΤ	ICAR/08	1		
Steel structures (6 ECTS)	elective	В	ΙΤ	ICAR/09	1	6	3,33
Analysis and design of bridges (6 ECTS)	elective	В	ΙT	ICAR/09	2	6	3,33
Timber structures (6 ECTS)	elective	В	ΙΤ	ICAR/09	1	6	3,33
Analysis and design of bridges (6 ECTS)	elective	В	П	ICAR/09	2	6	3,33
Control and health monitoring of civil engineering structures	elective	В	IΤ	ICAR/09	2	6	3,33
Hydraulic constructions (6 ECTS)	compulsory *	С	П	ICAR/02	2	6	3,33
Lidesteen (MC- Free Mat. C FCTC)			ENI	TCAD (02			2.22
Hydrology (MSc Env. Met 6 ECTS) * These two courses can be replaced with other co	compulsory *	C minim	EN 12	ICAR/02 ECTS), such as	. 2	6	3,33
Urban planning techniques (9 ECTS)	uises type e (ium 12 I	ICAR/20	2		
			ļ <u>.</u>		ļ		ļ
Italian language	elective		IT			3	1,67
Italy for beginners: An introduction to Italian Culture	elective		EN			6	3,33
	otal 2nd year				ļļ	63	35,00
Master Thesis and professional internships					<u> </u>	35	19,44
	al with thesis					144,8	

course title	Course type		Lang uage	Italian scientific sector	semes ter	ECTS	сс
Seismic engineering and structural design - A (6 ECTS)	compulsory	В	IT	ICAR/09	1	6	3,33
Seismic engineering and structural design - B (6 ECTS)	compulsory	В	IT	ICAR/09	2	6	3,33
Instability of structures (6 ECTS)	elective	В	ΙT	ICAR/08	1		
Steel structures (6 ECTS)	elective	В	IT	ICAR/09	1	6	3,33
Analysis and design of bridges (6 ECTS)	elective	В	Π	ICAR/09	2	6	3,33
Timber structures (6 ECTS)	elective	В	IT	ICAR/09	1	6	3,33
Analysis and design of bridges (6 ECTS)	elective	В	ΙT	ICAR/09	2	6	3,33
Control and health monitoring of civil engineering	elective	В	ΙΤ	ICAR/09	2	6	3,33

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Requirements requested by Tongji University	CC	
common degree courses	>=	7
professional degree courses	>=	18
non-degree courses	>=	8
compulsory special programs	=	10
Total		43
credits that can be transferred from Home Univ.	<=	21

Requirements required by UniTrento

туре	MILITIALITEC
В	60
C	12
D	9
F	:
Total	90
(see "UniTrento minimum requirements")	

Course lists and dates may be subject to change.

The Study Plan can be updated by the Bilateral Committee.

Before students start at the host institution, a course plan will be approved by both institutions.