DEPUIS 1973®

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Bouebdelli Education Group

Civil Engineering Study Plan

CIVIL ENGINEERING Year 1 Semester 1									
Code	UNIT	Modules	Semester Credit Hours			COEFFICIENT		ECTS Credits	
			IC	PW	SSH	Module	Unit	Module	Unit
U1.1	*Mathematics 1*	Engineering Mathematics	42	0	35	3	5	3	5
		Probability & Statistics	21	0	21	2		2	
U1.2	*Materials science*	Materials Science	21	0	21	2	6,5	2	6,5
		Measurement & Instruments	21	0	21	2		2	
		Thermal effect	42	0	35	2,5		2,5	
U1.3	*Mechanics 1*	Solid Mechanics	21	0	21	2	6,5	2	6,5
		Construction General Process	42	0	35	2,5		2,5	
		Fluid Mechanics	42	0	35	2		2	
U1.4	*Computer & Technologies*	Algorithm & C Programming	42	0	35	3	5	3	5
		Computer Aided Drawing CAD 1	0	42	21	2		2	
U1.5	*Languages & Soft Skills*	English I	21	0	21	1,5	5	1,5	5
		Project Management	21	0	21	2		2	
		Personnel Development	21	0	21	1,5		1,5	
U1.6	*Projects*	Mini Project	0	21	21	2	2	2	2
SUB TOTAL			357	63	364	30	30	30	30
Total Semester Workload			784						

One semester of study length is 14 weeks and 1 week for exams

The Student Self Study Hours SSH are estimated as follows: Module with weekly hours ≥3 SSH=2.5Hrs; Module with weekly hours < 3 SSH=1.5Hr

The average Workload/ week = 784H/14= 56 Hours

The Total Semester ECTS Credits = 30

IC: Integrated Course (Classroom course & guided work) PW: Practical Workshop (in Lab) SSH: Self Study Hours

CIVIL ENGINEERING Year 1 Semester 2

Code	UNIT	Modules	Semester Credit Hours			COEFFICIENT		ECTS Credits	
			IC	PW	SSH	Module	Unit	Module	Unit
U2.1	*Mathematics 2*	Numerical Analysis	0	21	21	2	4	2	4
		Operational Research	21	0	21	2		2	
U2.2	*Mechanics 2*	Continuum Mechanics	21	0	21	2	5	2	5
		Resistance Of Material ROM	42	0	35	3		3	
U2.3	*Languages & Soft Skills*	Communication Techniques	21	0	21	1,5	3	1,5	3
		English II	21	0	21	1,5		1,5	
U2.4	*Technical Science*	Hydraulic & Hydrology	42	0	35	2,5	5	2,5	5
		Topography	30	12	35	2,5		2,5	
U2.5	*Project*	Mini Project	0	21	21	2	2	2	2
U2.6	*Computer & Material Sciences*	Computer Aided Drawing CAD 2	0	42	35	2	7	2	7
		Concrete & Material Technology	21	21	35	3		3	
		Geology et Geophysics	42	0	35	2		2	
U2.7	*Procurement & BIM*	Public Procurement Process	21	0	21	2	4	2	4
		Building Information Modeling BIM 1	0	21	21	2		2	
		SUB TOTAL	282	138	378	30	30	28	30
		Total Semester Workload	798						

One semester of study length is 14 weeks and 1 week for exams
The Student Self Study Hours SSH are estimated as follows: Module with weekly hours ≥3 SSH=2.5Hrs; Module with weekly hours < 3 SSH=1.5Hr
The average Workload/ week = 777H/14= 55.5 Hours
The Total Semester ECTS Credits = 30
IC: Integrated Course (Classroom course & guided work) PW: Practical Workshop (in Lab) SSH: Self Study Hours

CIVIL ENGINEERING Year 2 Semester 1

Code	UNIT	Modules	Semester Credit Hours			COEFFICIENT		ECTS Credits	
			IC	PW	SSH	Module	Unit	Module	Unit
U3.1	*Mechanics 3*	Soil Mechanics 1	42	0	35	3	8	3	8
		Diagnosis & Rehabilitation of Buildings	21	0	21	2		2	
		Theory of Structure 1	42	21	35	3		3	
U3.2	*Building Technique*	Urbanism	21	0	21	1,5	5,5	1,5	5,5
		Building Information Modeling BIM 2	0	21	21	2		2	
		Building Physics	21	0	21	2		2	
U3.3	*Public Works 1*	Economic Evaluation of Constructions	21	0	21	2	7	2	7
		Worksite Organization	21	0	21	2		2	
		Road Engineering 1	42	0	35	3		3	
U3.4	*Languages & Soft Skills*	English TOEIC 1	21	0	21	1,5	3	1,5	3
		Corporate Management	21	0	21	1,5		1,5	
U3.5	*Project Management*	Reinforced Concrete 1	42	0	35	3	4,5	3	4,5
		Building Simulation (Arche)	0	42	35	1,5		1,5	
U3.6	*Project*	Annual Project 1	0	21	21	2	2	2	2
		SUB TOTAL	315	105	364	30	30	30	30
		Total Semester Workload	784						

The Student Self Study Hours SSH are estimated as follows: Module with weekly hours ≥3 SSH=2.5Hrs; Module with weekly hours < 3 SSH=1.5Hr
The average Workload/ week = 784H/14= 56 Hours
The Total Semester ECTS Credits = 30
IC: Integrated Course (Classroom course & guided work) PW: Practical Workshop (in Lab) SSH: Self Study Hours

CIVIL ENGINEERING Year 2 Semester 2									
Code	UNIT	Modules	Semester Credit Hours			COEFFICIENT		ECTS Credits	
			IC	PW	SSH	Module	Unit	Module	Unit
U4.1	*Mechanics 4*	Soil Mechanics 2	42	21	35	3	8	3	8
		Building Information Modeling BIM 3	0	21	21	2		2	
		Theory of Structures 2	42	0	35	3		3	
U3.2	*Building Technique*	Reinforced Concrete 2	42	0	35	3	8	3	8
		Building Projects and Metallic Construction MC (Robot Software)	0	21	35	2		2	
		Metallic Construction CM 1	42	0	35	3		3	
U4.3	*Public Works 2*	Road Engineering 2	42	0	35	3	8	3	8
		Urban Hydraulics	42	0	35	3		3	
		Road Project Design	0	42	35	2		2	
U4.4	*Project*	Annual Project 2	0	21	21	2	2	2	2
U4.5	*Project ManagemLanguages & Soft Skills*	English TOEIC 2	21	0	21	2	4	2	4
		Business Start Up	21	0	21	2		2	
SUB TOTAL			294	126	364	30	30	30	30
Total Semester Workload			784						

The Student Self Study Hours SSH are estimated as follows: Module with weekly hours ≥3 SSH=2.5Hrs; Module with weekly hours < 3 SSH=1.5Hr
The average Workload/ week = 784H/14= 56 Hours
The Total Semester ECTS Credits = 30
IC: Integrated Course (Classroom course & guided work) PW: Practical Workshop (in Lab) SSH: Self Study Hours

CIVIL ENGINEERING Year 3 Semester 1									
Code	UNIT	Modules	Semester Credit Hours			COEFFICIENT		ECTS Credits	
			IC	PW	SSH	Module	Unit	Module	Unit
U5.1	*Mechanics*	Earthwork	21	21	35	3	9	3	9
		Structure Dynamics	42	0	35	3		3	
		Finite Element Method FEM	21	21	35	3		3	
U5.2	*Sciences & Technology*	Prestressed Concrete	42	0	35	3	8	3	8
		Case Study (CAD)	21	21	35	2		2	
		Metallic Construction 2	42	0	35	3		3	
U5.3	*Public Works 3*	Roads & Various Networks RVN	21	0	21	2	6	2	6
		Bridges Engineering	42	21	35	4		4	
U5.4	*BIM & Applications*	Building Information Modeling BIM 4	0	42	35	3	7	3	7
		Lean Start-Up	21	0	21	2		2	
		Land Law	21	0	21	2		2	
SUB TOTAL			294	126	343	30	30	30	30
Total Semester Workload			763						

One semester of study length is 14 weeks and 1 week for exams
The Student Self Study Hours SSH are estimated as follows: Module with weekly hours ≥3 SSH=2.5Hrs; Module with weekly hours < 3 SSH=1.5Hr
The average Workload/ week = 763H/14= 54.5 Hours
The Total Semester ECTS Credits = 30
IC: Integrated Course (Classroom course & guided work) PW: Practical Workshop (in Lab) SSH: Self Study Hours

CIVIL ENGINEERING Year 3 Semester 2						
Code	UNIT	Credit Hours	IC	Project	COEF	ECTS Credit
U6.1	*Graduation Research Project (4-6 months)*	450	-	450	-	30
U6.2	*Internship 1 (1-2 months)*	-	-	-	-	-
U6.3	*Internship 2 (1-2 months)*	-	-	-	-	-
	Total Semester Workload	450	0	450	0	30

The Total Semester ECTS Credits = 30