

Semester	Teaching Unit	Course Titles	Code	Credits	Coefficients	Weekly Contact Hours			WTH	Assessment Mode	
						Lecture	Tutorial	Laboratory Work		Continuous Assessment	Final Examination
5	Fundamental Teaching Unit Code: UEF 5.1 Credits:14 Coefficients:7	Reinforced Concrete 2	CDD 5.1	4	2	1h30	1h30		45h00	40%	60%
		Structural Analysis	CDD 5.1	6	3	1h30	3h00		67h30	40%	60%
		Steel Structure 2	CDD 5.2	4	2	1h30	1h30		45h00	40%	60%
	Fundamental UE Code : UEF 5.2 Credits: 9 Coefficients : 5	Construction Materials 2	CDD 5.3	4	2	1h30		1h30	45h00	40%	60%
		Soil Mechanics 2	CDD 5.4	5	3	1h30	1h30	1h30	67h30 (20% Tutorial + 20% Laboratory Work)	40%	60%
	Methodological UE Code : UEM 5.1 Credits: 5 Coefficients : 5	Topography 2	CDD 5.5	2	2	1h30		1h30	45h00	40%	60%
		Computer-Aided Drawing 2	CDD 5.6	2	2			3h00	45h00	100%	
		Construction Site Organization and Management	CDD 5.7	1	1	1h30			22h30		100%
	Discovery UE Code : UED 5.1 Credits: 1 Coefficient: 1	Environment and Waste Management	CDD 5.8	1	1	1h30			22h30		100%
	Cross-Disciplinary UE Code : UET5.1 Credits: 1 Coefficient: 1	Technical English	CDD 5.9	1	1	1h30			22h30		100%
Total Hours				30	19	13h30	7h30	7h30	427h30		

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6	Fundamental UE Code: UEF 6.1 Credits: 12 Coefficients:7	Reinforced Concrete 3	CDD 6.1	5	3	1h30	3h00		67h30	40%	60%
		Foundations and Geotechnical Structures	CDD 6.2	4	2	1h30	1h30		45h00	40%	60%
		Reinforced Concrete Project	CDD 6.3	3	2			3h00	45h00	100%	
	Fundamental Teaching Unit Code: UEF 6.2 Credits: 12 Coefficients :7	Steel Structure 3	Sustainable Development of Construction 4.1	5	3	1h30	3h00		67h30	40%	60%
		Sustainable Development of Buildings	Sustainable Development of Construction 4.4	4	2	1h30	1h30		45h00	40%	60%
		Steel Structure Project	Sustainable Development of Construction 4.4	3	2			3h00	45h00	100%	
	Methodological UE Code : UEM 6.1 Credits: 5 Coefficient: 4	Roads and Utility Networks	Sustainable Development of Construction 4.7	2	2	1h30	1h30		45h00	40%	60%
		Internship in an Industrial Setting 1	Sustainable Development of Construction 4.4	1	1	Hours beyond quota (average 100 hours) Tutoring: 1h30 weekly Laboratory Work				100%	
		Computer-Aided Calculation	Sustainable Development of Construction 4.1	2	1			3h00	45h00	100%	
	Cross-Disciplinary UE Code :UET 6.1 Credits: 1 Coefficient: 1	Entrepreneurship and Business Management	CDD.6.10	1	1	1h30			22h30		100%
Total Hours				30	19	9:00 AM	10:30 AM	9:00 AM	427h30		

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						Lecture	Tutorial	Laboratory Work		Continuous Assessment	Final Examination
7	Fundamental Teaching Unit Code: 180712 Credits: 12 Coefficient: 2	Conception des Structures (BA /CM)	180071	4	2	1h30	1h30		45h00	40%	60%
		Dynamique des Structures I	180072	4	2	1h30	1h30		45h00	40%	60%
		Elastost	180073	4	2	1h30	1h30		45h00	40%	60%
	Fundamental Teaching Unit Code: 180712 Credits: 4 Coefficient: 4	Mécanique des Milieux Continus I	180074	4	2	1h30	1h30		45h00	40%	60%
		Renforcement et stabilisation des Structures (Dimensionnement et Calcul)	180075	4	2	1h30	1h30		45h00	40%	60%
	UE Méthodologie Code: 180713 Credits: 4 Coefficient: 3	Plan d'Expérience	180076	2	2	1h30		1h30	45h00	40%	60%
		Calcul Numérique en Génie Civil	180077	2	2			3h00	45h00	100%	
		Projet personnel professionnel	180078	2	1	Volume horaire hors cours				100%	
	Discovery UE Code: 180713 Credits: 3 Coefficient: 2	Cours d'Etat secondaire	180079	1	1	1h30			22h30		100%
		Chargés et Caractéristiques	1800710	2	2	1h30	1h30		45h00	40%	60%
	Cross-Disciplinary UE Code: 180713 Credits: 1 Coefficient: 1	Méthode d'Estimation des Prix	1800711	1	1	1h30		1h30	45h00	40%	60%
Total Hours				30	19	13h30	9:00 AM	18h00	427h30		

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						Lecture	Tutorial	Laboratory Work		Continuous Assessment	Final Examination
8	Fundamental UE Code: 1801A1 Credits: 16 Coefficients : 7	Science Philosophy	1801A1.1	6	3	3h00	1h30		67h30	40%	60%
		Dynamics des Structures 2	1801A1.2	4	2	1h30	1h30		45h00	40%	60%
		Structures minces (acier béton)	1801A1.3	4	2	1h30	1h30		45h00	40%	60%
	Fundamental Teaching Unit Code: 1801A2 Credits: 9 Coefficients: 5	Mécanique des Milieux Continus 2	1801A2.1	4	2	1h30	1h30		45h00	40%	60%
		Méthodes des Éléments Finites	1801A2.2	5	3	1h30	1h30	1h30	67h30	40% (20% Tutorial + 20% Laboratory Work)	60%
	Methodological UE Code: 1801A3 Credits: 4 Coefficients: 4	Modélisation des Structures	1801A3.1	2	2			3h00	45h00	100%	
		Stage dans un milieu industriel 2	1801A3.2	1	1	Volume horaire basé sur une moyenne de 120 heures Taux: 1h30 TP hebdomadaire				100%	
		Etude Géotechnique 1	1801A3.3	1	1			1h30	22h30	100%	
	Discovery UE Code: 1801A4 Credits: 2 Coefficients: 2	Building Information Modeling (BIM)	1801A4.1	2	2	1h30		3h00	67h30	40%	60%
	Cross-Disciplinary UE Code: 1801A5 Credits: 1 Coefficients: 1	Respect des normes et des règles d'usage et d'entretien	1801A5.1	1	1	1h30			22h30		100%
	Total Hours			30	19	12h00	7h30	9:00 AM	427h30		

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9	Fundamental Teaching Unit Code: UEPN.1 Credits: 9 Coefficient: 4	Collège et Enseignement Disseminé	UEPN.1.1	4	2	1h30	1h30		45h00	40%	60%
		Changement Spéciaux	UEPN.1.2	5	2	1h30	1h30		45h00	40%	60%
	Fundamental UE Code: UEPN.2 Credits: 10 Coefficients : 5	Culturel Plurilingue des Structures	UEPN.2.1	4	2	1h30	1h30		45h00	40%	60%
		Biologie des Matériaux	UEPN.2.2	6	3	1h30	3h00		67h30	40%	60%
	Methodological UE Code: UEPN.3 Credits: 7 Coefficients: 6	Interaction Sol Structure	UEPN.3.1	3	3	1h30	1h30	1h30	67h30	40% (20% Tutorial + 20% Laboratory Work)	60%
		Environnement Préoccupations	UEPN.3.2	2	2			3h00	45h00	100%	
		Essais Géotechniques 2	UEPN.3.3	2	1			1h30	22h30	100%	
	Discovery UE Code: UEPN.4 Credits: 3 Coefficients: 3	Code des marchés publics	UEPN.4.1	1	1	1h30			22h30		100%
		Management des projets	UEPN.4.2	1	1	1h30			22h30		100%
		Mécanisme Intelligent	UEPN.4.3	1	1	1h30			22h30		100%
	Cross-Disciplinary UE Code: UEPN.5 Credits: 1 Coefficients: 1	Recherche documentaire et Conception de solutions	UEPN.5.1	1	1	1h30			22h30		100%
	Total Hours			30	19	13h30	9:00 AM		427h30		

Semestre 10 Ingénieur spécialité

Le PVE doit se faire obligatoirement en relation avec une entreprise ou bien dans le cadre de l'activité 1.275 (startup) sanctionné par un mémoire et une soutenance