

المفردات والوحدات لقسم تقنيات البناء و الانشاءات

كلية الاسراء الجامعة

Ministry of Higher Education and Scientific Research

Al- Esraa University College

Department : Building & Construction Technology Engineering

EDUCATIONAL PROGRAMME

First year

	Subject	No. of hours			No. of units	Type of subject	Remarks
		T	P	S			
1.	Construction Materials	2	3	5	7	Specialist	
2.	Engineering Mechanics	2	2	4	6	Specialist	
3.	Surveying (1)	2	3	5	7	Specialist	
4.	Engineering Drawing & Descriptive Geometry	-	6	6	4	Specialist	
5.	Applied Mathematics	2	2	4	6	Assistant	
6.	Mechanical & Civil Workshops	-	6	6	4	Assistant	Continuous Evaluation
7.	Principles of Computer	1	2	3	4	Assistant	
8.	Engineering Geology	2	-	2	4	Specialist	
9.	Human Rights & Democracy	2	-	2	4	General	
Total		13	24	37	46		

T : Theoretical

P : Practical

S : Sum

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EDUCATIONAL PROGRAMME

Second year

	Subject	No. of hours			No. of units	Type of subject	Remarks
		T	P	S			
1.	Building Construction	2	2	4	6	Specialist	
2.	Concrete Technology (1)	2	2	4	6	Specialist	
3.	Surveying (2)	2	3	5	7	Specialist	
4.	Advanced Mathematics	2	2	4	6	Specialist	
5.	Strength of Materials	2	2	4	6	Specialist	
6.	Fluid Mechanics	1	2	3	4	Specialist	
7.	Computer Applications (1)	1	2	3	4	Specialist	
8.	Technology of Construction Materials Industry	2	-	2	4	Specialist	
9.	Systematic Training	-	6	6	4	Specialist	
Total		14	22	36	51		

T : Theoretical

P : Practical

S : Sum

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Third year

	Subject	No. of hours			No. of units	Type of subject	Remarks
		T	P	S			
1.	Analysis & Design of Reinforced Concrete Structures (1)	2	2	4	6	Specialist	
2.	Concrete Technology (2)	2	2	4	6	Specialist	
3.	Soil Mechanics	3	2	5	8	Specialist	
4.	Engineering Management & Construction Equipments	2	2	4	6	Specialist	
5.	Theory of Structures	2	1	3	5	Specialist	
6.	Engineering Analysis	2	1	3	5	Specialist	
7.	Highway Engineering	2	2	4	6	Specialist	
8.	Computer Applications (2)	1	2	3	4	Specialist	
9.	Systematic Training	-	6	6	4	Specialist	
Total		16	20	36	50		

**T : Theoretical
P : Practical
S : Sum**

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EDUCATIONAL PROGRAMME

Fourth year

	Subject	No. of hours			No. of units	Type of subject	Remarks
		T	P	S			
1.	Analysis & Design of Reinforced Concrete Structures (2)	2	1	3	5	Specialist	
2.	Foundation Engineering Technology	2	2	4	6	Specialist	
3.	Design of Steel Structures	2	1	3	5	Specialist	
4.	Estimation & Specifications & Contracts	2	2	4	6	Specialist	
5.	Environmental Engineering	3	3	6	9	Specialist	
6.	Construction Drawing	-	3	3	2	Specialist	
7.	Iso	2	-	2	4	Specialist	
8.	Computer Applications (3)	1	2	3	4	Specialist	
9.	Project	-	6	6	4	Specialist	
Total		14	20	34	45		

T : Theoretical

P : Practical

S : Sum