

المفردات والوحدات لقسم الهندسة المدنية / كلية الاسراء الجامعة

Under Graduate Scheme for B.Sc. Civil Eng. 1st year

Subject		1 st Semester			
ABET Code.	Name	The.	Tut.	Prac.	Credit
08101	Calculus I	3	1		3
08102	Engineering Mechanics I	3	1		3
08103	Computer Science	1	1	2	2
08104	Building Materials I	2		2	3
08105	Engineering Drawing I	1		4	3
08106	Engineering Geology	2			2
08107	Technical English	2			2
08108	Human Rights principles	2			2
Total		16	3	8	20
Total Hrs./ Week		27			

Subject		2 st Semester			
ABET Code.	Name	The.	Tut.	Prac.	credit
08109	Calculus II	3	1		3
08110	Engineering Mechanics II	3	1		3
08111	Computer Science	1	1	2	2
08112	Building Materials II	2		2	3
08113	Engineering Drawing II	1		4	3
08114	Engineering Geology	2			2
08115	Technical English	2			2
08116	Human Rights principles	1		2	2
Total		15	3	10	20
Total Hrs./ Week		28			

Under Graduate Scheme for B.Sc. Civil Eng. 2st year

SECOND YEAR		1 st semester			2 nd semester		
		hours /week			hours /week		
subject	unit	Theo.	Tuto.	Prac.	Theo.	Tuto.	Prac.
Mathematics II	6	3	1	-	3	1	-
Mechanics of Materials	6	3	1	-	3	1	-
Concrete Technology	6	2	-	2	2	-	2
Surveying	5	1	1	3	1	1	3
Fluid Mechanics	5	2	1	1	2	1	1
Building Construction	4	2	2	-	2	2	-
Computer programming	4	1	-	2	1	-	2
Democracy	2	1	1	-	1	1	-
Total	38	15	7	8	15	7	8
Total hours per week		30			30		

Under Graduate Scheme for B.Sc. Civil Eng. 3st year

THIRD YEAR		1 st semester			2 nd semester		
		hours /week			hours /week		
subject	unit	Theo	Tuto.	Prac.	Theo.	Tuto.	Prac.
Soil mechanics	6	2	1	2	2	1	2
Structural Analysis	6	3	1	-	3	1	-
Reinforced Concrete Design I	6	3	1	-	3	1	-
Engineering Analysis	4	2	2	-	2	2	-
Irrigation & Drainage Engineering	4	2	1	-	2	1	-
Engineering Economy & Management	4	2	-	-	2	-	-
Traffic Engineering	4	2	1	-	2	1	-
Total	34	16	7	2	16	7	2
Total hours per week		25			25		

Under Graduate Scheme for B.Sc. Civil Eng. 4st year

FOURTH YEAR		1st semester			2nd semester		
		hours /week			hours /week		
subject	unit	Theo.	Tuto.	Prac.	Theo.	Tuto.	Prac.
Foundation Engineering	6	3	1	-	3	1	-
Transportation Engineering	5	2	1	1	2	1	1
Saintary & Environmental Engineering	5	2	1	1	2	1	1
Reinforced Concrete Design II	4	2	2	-	2	2	-
Structural Steel Design	4	2	2	-	2	2	-
Engineering Hydrology	4	2	1	-	2	1	-
Constructional Methods & Estimation	4	2	1	-	2	1	-
Computer Application in Civil Engineering	2	-	1	2	-	1	2
Engineering Project	4	1	-	2	1	-	2
Total	38	16	10	6	16	10	6
Total hours per week		32			32		