

Department of Civil Engineering			
Building Construction (61304)			
Total Credits	2		
major compulsory			
Prerequisites	P1 : Construction Materials (61205) OR Construction Materials (61204) P2 : Engineering Drawing (62102) OR Eng'g Drawing (61104) OR Architectural Drawing I (62113)		
Course Contents			
1) preparing the site for construction 2) site investigation 3) foundation 4) form work 5) steel work 6) concrete 7) Types of buildings & walls 8) Brick work 9) Masonry work 10) stairs 11) Finishing (tiling , plastering , electrical & mechanical work , etc.			
Intended Learning Outcomes (ILO's)		Student Outcomes (SO's)	Contribution
1	Ability to identify activities required to prepare to implement construction of building.	E	12 %
2	Ability to identify steps and activities required to implement construction of different types of footings.	E	15 %
3	Ability to identify typed of formwork and to design formwork.	K	15 %
4	Ability to identify types of construction elements in buildings and to design their implementation steps.	C	4 %
5	ability to identify and plan activities required to construct reinforce concrete work including steel and concrete works in site.	E	20 %
6	Ability to identify activities required for finishing of building including plastering , tiling and painting	E	14 %
7	Ability to identify activities required for construction of masonry , brick work & stairs	E	20 %
Textbook and/ or References			
1. Building construction principles and practices , Denis Walton , MaCMILLAN 2. Building construction Hand book , Roy chudley & Roger Greeno 3. Building construction principles, materials , and systems, Medan Mehta, Walter Scarborough. Diane Armpriest . 4. Building Construction illustrated, Francis D.K. CHING.			
Assessment Criteria		Percent (%)	
First Exam		20 %	
Second Exam		20 %	
Homeworks		10 %	
Final Exam		50 %	
Course Plan			
Week	Topic		
1&2	Preparing the site for construction & site investigation		
3&4	Foundation		
5&6	Form work		
7	Steel work		
8&9	Concrete		
10	Types of building & walls		
11&12	Brick and masonry work		

13	Stairs
14&15	Finishing (tiling , plastering ,.. etc)
16	Final Exam