BLD311: Construction Technology I (3 Units)

Department of Building Technology

Covenant University
1. BLD311
1.1. BLD311: Construction Technology I (3 Units)

Multi-storey Structures: the frame and load bearing wall, choice of appropriate structure.

Framed Structures: Steel frame, Reinforced Concrete (In-Situ and Pre-cast) Frame, RC wall, Prestressed Concrete, Movement Control: Floor Structures Upper floors choice and construction, Movement control: Vertical Circulations stairs, ramps and ladders. Roof Structures Beams, trusses and girders, rigid/portal frames, shells, folded slabs, space frames, single-layer grids, double layer grids, folded lattice plates, barrel vaults, domes tension structures, etc, Movement Control Structures, etc, Movement control. Underground and space Surveys. Astronomy, temporary Supports Formworks, Seal folding, Integration of Structures with services and equipment, Communication in Building. Introduction to hydrology and photographic surveys; Mass haulage diagram, and the associated quantities.