MCE 542 Building Services (3 Units)

Department of Mechanical Engineering

Covenant University
1. MCE542
1.1. MCE 542 Building Services (3 Units)

Overview of Building Services, role of mechanical engineers and other professionals in building construction industry, cold and hot water supply system, heating systems, fuel characteristics and storage, ventilation systems, Air-conditioning, drainage systems, sewage treatment and refuse disposal, sanitary, fitments and appliances: discharge and waste systems, gas installation: components and controls, electrical supply and installations, mechanical conveyors, lifts, escalators and travelators, fire prevention and control services, security installations, accommodation for building services, relevant of alternative and renewable energy in building services/construction. Basic concept of preparation of bill of material/quantity, tendering, commissioning, reimbursement, valuation (stage by stage and final), certificate of completion, and related duties of mechanical consultancy and contracting in building services.