BLD313: Building Materials Science (2 Units)

Department of Building Technology

Covenant University
1. BLD313
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Detailed study of materials and their performance in construction including clay, concrete, stones, timber, plastics, bricks, paints, metals and alloys, glass, bitumen, synthetic and reinforced polymer products etc. Production, processing, evaluation and testing method; utilization in construction and associated problems; Advances in composite tropical materials including terracretes etc. Clay in buildings: Clay products in buildings foundation, floors, walls, ceilings, roofs, finishes; performance in buildings; Maintenance problems. Maintenance aspects and associated problems; Plastic in buildings: Technology and manufacture; utilization in buildings; Performance in buildings, maintenance problems; Glass in buildings: Technology and manufacture; utilization in buildings; A critique of glass as external curtain, maintenance aspects problems.