BLD527: Operations Research (2 Units)

Department of Building Technology

Covenant University
1. BLD527

1.1. BLD527: Operations Research (2 Units)

The course deals with the application of operational research to problems of planning in industry and business with particular reference to the building industry. Nature of operational research; resources, and optimization. Cost models, fixed and marginal costs. Prevention and breakdown costs. Present worth technique and application to decision making in the building Industry; Optimum replacement period. Critical path: - network analysis and logic. Project control by critical paths, Time variation and estimated project times. Linear Programming: scheduling, allocation and distribution examples Application of probability theory to systems reliability

GRADING SYSTEM

Class Test/Assignments = 20 marks30%

Mid-semester Test =10 marks
Examination

End of Semester Examination = 70 marks 70%

100%

Interpretation of Grade Points

A = 70 and above

B = 60 694

C = 50 593

D = 45 492

E = Below 450

DEGREE CLASSIFICATION

Classes of degree are to be awarded depending on the cumulative GPA obtained. The classes of degree that may be awarded are First Class Honours, Second Class Honours (Upper Division), and Second Class Honours (Lower Division), Third Class Honours.