

BULE HORA UNIVERSTY

SCHOOL OF ENGINEERING

HYDRAULIC AND WATER RESOURCE DEPARTMENT

Program: B.Sc. in Hydraulic and Water Resource Engineering

Course Title: Building Construction

Course Number: CEng2093

Contact Hours (per semester): 16 hrs lec. & 32 hrs lab.

Instructors: Tirngo E

2nd Year hydraulic and
water resource
students

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Objective:

- To gain knowledge on various components of building
- To gain skills on the preparation of working drawing for building
- To understand the fundamentals of construction planning and design procedures, and site selection.
- To have skills on the physical and chemical properties of building

Assessment/evaluation

Final exam..... 50%

Continuous Assessment..... 50%

Reference

- Edward Allen and Joseph, Fundamentals of Building Construction: Materials and Methods, Wiley publishers; 4th edition 2003
- Abebe Dinku , A text book of building construction, AAU Press, 2007
- Francis D. K. Ching and Cassandra Adams, Building Construction Illustrated, 3rd Edition, Wiley, 2000

Chapter one - Introduction

Chapter two - Building drawing

Chapter three - Building structural system

Chapter four - Foundation

Chapter five - Wall system

Chapter six - damp proofing

Chapter seven - Door and Window

Chapter eight - Stair

Chapter nine - Fire place

Chapter ten - Finishing

Chapter eleven - Form work

Chapter twelve - Floor system

Chapter thirty - Roof and roof covering

Chapter fourteen - Safety and health at construction site

Chapter fifteen - Building maintenance