ADDIS ABABA UNIVERSITY

ADDIS ABABA INSTITUTE OF TECHNOLOGY

SCHOOL OF CIVIL AND ENVIRONMENTAL ENGINEERING

Course: -CENG-3112, Building Construction

CHAPTERI: INTRODUCTION

- I.I General
 - Definition of terms
- 1.2 Building Classifications
- 1.3 Components of a Building
- 1.4 Design and performance requirements
- 1.5 Project life cycle of a building
- 1.6 Main Parties in Building Construction
- 1.7 Resource for Building Construction

CHAPTER 2: BUILDING DRAWINGS

CHAPTER 3: BUILDING STRUCTURAL SYSTEMS

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- 3.2 Reinforced concrete structures
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CHAPTER 5: BUILDING ELEMENTS

- 5.1 Foundations-I
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 - Excavation for foundation
- 5.1 Foundations-II
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- Bearing capacity of a soil
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- 5.2 Floor System
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- 5.5 Doors and Windows
- 5.6 Roof and Roof coverings
- 5.7 Finishing
- 5.8 Damp Proofing
- 5.9 Fire place
- 5.10 Formwork and scaffolding

CHAPTER 6: SAFETY AND HEALTH AT CONSTRUCTION SITE

Reference:

- Abebe Dinku, Building Construction, AAU printing press
- Roy Chudley & Toger Greeno, Building Construction Handbook
- Francis D.K. Ching, Building Construction Illustrated