

Al-Al Bayt University
Faculty of Engineering
Architecture Engineering

Course Title : null

Course Number : 703337

Credit Hours : 3

Pre requisite : 703336

Placement :

Instructor:

Course Description :

This course is an introduction to structural design. Subject areas include material properties, stress-strain relation, basic design of reinforced concrete and steel structures.

General objectives :

1. To provide students with background in fundamental structural design concepts.
2. To introduce structural design of components for buildings made of reinforced concrete and steel.

Course outline :

Introduction

Structural Design Concepts and Methods

Strength of materials (Stress-strain relation)

Reinforced Concrete Design

Material properties

Beam design

One way slab design

Two way slab design

Footing design

Column design

Steel Design

Material Properties

Design of tension members

Design of compression members

Design of steel joints

Evaluation methodology :

References :

Course Schedule :

Topic _____ **Hours**

No Information Available...