

Graduate Diploma in Civil Engineering Course Work

To complete the Graduate Diploma in Engineering, the students will have to complete 24 units with each 4 credit points totalling 96 credit points.

By adding Masters thesis of 24 credit points, they will complete 120 credit points . Total credit points for Masters degree is (Bachelor degree 120 credit points+ Graduate Diploma+ Masters degree 120 credit points Total 240 Credit points).

Graduate Diploma is pre-requisite for Masters degree.

Course Work Plan

The students will have to write 20 pages study report for each of the subjects outlined below.

The report needs to include

- Book review- Review on each chapter of the book highlighting the key concepts, key formula, key theory & practical application concepts
- Own idea on how to apply those concepts in real practical applications.
- Examples of engineering designs that use the concepts & knowledge expressed in those books (If any)
- Your comment on each book

BAE 631-Advanced Concrete Technology

BAE 632-Architectural Design

BAE 633-Bridge Construction

BAE 634-Building Construction

BAE 635-Building Survey

BAE 636-Building Technology Electrical Mechanical System

BAE 637-Composite Structure of Steel & Concrete

BAE 638-Construction Drawing

BAE 639-Construction Materials

BAE 640-Construction Mathematics

BAE 641-Construction Site Planning

BAE 642-Design of Reinforce Concrete

BAE 643-Earthquake Resistant Structure

BAE 644-Estimating

BAE 645-Geotechnics

BAE 646- Highway Engineering

BAE 647-Piling Engineering

BAE 648-Railways Bridges

BAE 649-Soil & Rock Mechanic

BAE 650-Steel Design

BAE 651-Strom & Waste Water

BAE 652-Structural Analysis

BAE 653-Surveying

BAE 654-Theory & Design of Bridges