

1. INTRODUCTION

In this particular course the participants will be introduced to the art of planning, designing and detailing a residential building not exceeding 150 sq.m..

The course has been designed as a hands-on practice. That is the concepts that are explained are put in practice in the mini-project on which you will be working.

At the end of this course, you would have planned, designed, and detailed (to industry standard) the architectural as well as the structural plans that are required for the application of the Building and Land Use Permit (BLUP).

This course has been mounted in collaboration with CIDB in order to provide the necessary know-how to CAD technicians for registration with the board.

2. DURATION

The duration of the course is forty five (45) hours, conducted once a week on Saturdays (3 hours) for a period of 15 weeks (11:00 to 14:00)*

*Time may change

3. VENUE & FACILITIES

Computer Lab of the Faculty of Engineering, University of Mauritius will be used for the course.

4. TRAINING METHODOLOGY

Delivery of the course will be in the form of lectures, and mini-project.

5. CERTIFICATE

After completing the course, participants will be awarded a certificate of attendance issued by the University of Mauritius.

6. WHO SHOULD ATTEND

Anyone who has an interest in house drawing: School leavers, Graduates, Technicians, and the general public.

7. TRAINING/REGISTRATION FEES

Rs. 20,000 per participant (Includes training pack and refreshments). Deadline for Registration: **23 March 2024.**

8. RESOURCE PERSONS

- Dr Asish SEEBOO, Senior Lecturer, Civil Engineering Dept. (University of Mauritius).
- Dr. K. Moonshiram, Senior Lecturer, Civil Engineering Department (UoM)

9. STARTING DATE

Saturday **06 April 2024**

10. MODE OF PAYMENT

Payment can be effected in Cash, Card or Cheque. Cheque must be drawn to the order of **University of Mauritius** and **crossed**.

Payment must be effected at University of Mauritius Cash office by 29 March 2024. [PLEASE SPECIFY UOM PROJECT CODE REF.N3 2023 2112]

Note:

SEAT WILL BE CONFIRMED AGAINST PROOF OF PAYMENT

APPLICATION FORM MQA Approved Short Course CAD Technician in Building

Name of Participant:

Office/Home Address:

Tel: Fax:

Mobile Tel:

Email:

Signature:
of Participant

Organisation :

Position :

Date :

Application forms duly filled in should be sent to the following address or by **email** by latest **23 March 2024** prior to payment. Forms can also be sent by fax or email.

Asish SEEBOO

Civil Engineering Department

Faculty of Engineering

University of Mauritius, Reduit 80837.

Tel: 4037832

Email: a.seeboo@uom.ac.mu

The University of Mauritius reserves the right not to run the training course should the number of participants be insufficient.

Lecture #	Lecture Content	Learning Outcomes	Duration in hours
1	Introduction to Policy Planning Guidelines (PPG)	Plans should be designed in line with PPG.	3
2	Introduction to building materials, types, and construction methods. Composition of a residence. Geometric dimensions of units in a dwelling. Types of drawings required for BLUP for a residence.	Understanding of the basic composition of a small building/house and the different construction materials that can be used during construction phase.	3
3	Briefing students on a mini-project.		3
4	Introduction to AutoCAD - Interface, basic tools, and the concept of layers.	How to navigate, modify and adapt the interface to user needs.	3
5	AutoCAD - Modifications, use of arrays, hatching, text, dimensioning.	Understanding how to modify any CAD drawing.	3
6	AutoCAD - Preparation of Site plan and location plans	Be able to prepare site & location plans.	3
7	AutoCAD - Preparation of General Floor layout	Be able to prepare a floor layout with all details.	3

Lecture #	Lecture Content	Learning Outcomes	Duration in hours
8	AutoCAD - Preparation of Roof Floor layout	Be able to prepare a roof layout with all details.	4
9	AutoCAD - Preparation of Elevations	Be able to prepare a Elevations [4] with all details.	3
10	AutoCAD - Preparation of Sections	Be able to prepare a Sections [2] with all details.	3
11	AutoCAD - Preparation of Other details - Septic and AP		3
12	Preparation of Full drawing set including drawing register.		3
13	Introduction to structural detailing	Be able to interpret and understand basic structural detailings.	3
14	Introduction to structural detailing		3
15	Printing of mini-project		3