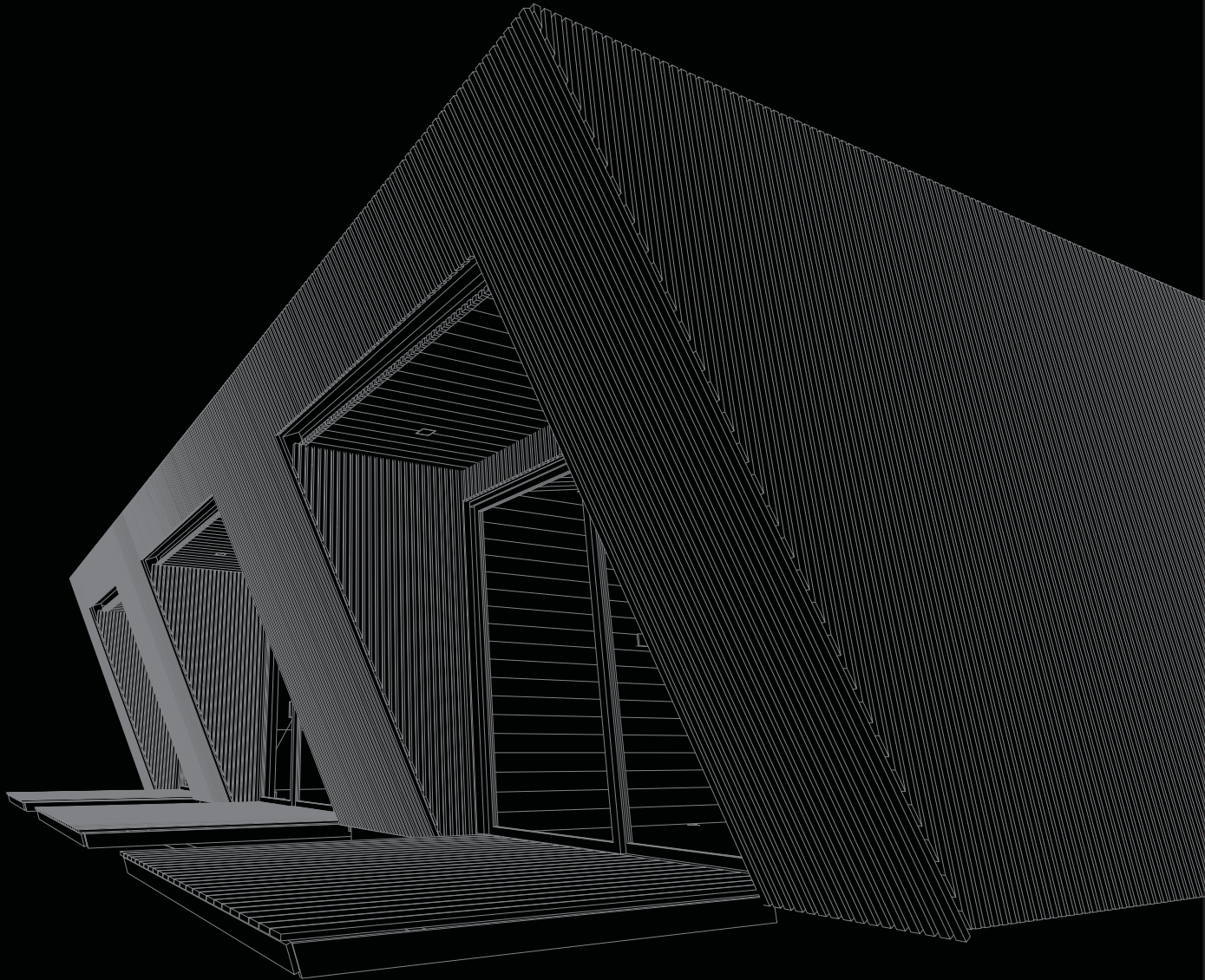




**RevCourse**

**REVIT FUNDAMENTALS**





**In this Level 1 course you will be introduced to the fundamentals of Autodesk Revit Architecture. Lead by a registered architect, you will be guided through the development of a real architectural project and learn their key principles necessary for you to begin designing your own buildings.**

## CONTENT

You will be encouraged to develop your own project, while following concepts outlined by your instructor. Topics covered will include: Building model set up, levels and grids basic building tools, basic editing tools, navigation tools, creating views, sections and elevations.

## OUTCOME

The course will provide you with a solid understanding of the fundamentals of Revit Architecture. Upon completion you will be in a strong position to continue using the software for building and interior design.

---

## SUITED TO

Designed for anyone wanting to develop existing skills in 3D modelling, computer-aided design and documentation using Autodesk REVIT.

---

## PREREQUISITES

No previous experience in Autodesk Revit is required, however, a practical understanding of drafting principles and a familiarity with any CAD / modelling package is essential.

---

## COURSE MATERIAL

Students will be given a comprehensive Autodesk Revit Architecture textbook from which they can continue further study after the completion of the course.

---

## MATERIALS TO BRING

Please bring a pen, paper and a 4GB+ USB

---

## AWARD

Students will receive a certificate of participation (80% attendance required)

## INTRODUCTION

Introduction to Course - Topics Covered  
Logic behind Revit - Revit vs. AutoCAD  
User interface  
Object Properties screen  
Detailed lines :Move, Rotate, Align, Trim, Trim Multiple, Copy, Selection  
Tab Key and selections: point, chain and line selection. Esc Key  
Selection left swipe vs. right swipe  
Setting up Levels

## SITE

Project Information  
Importing a survey from AutoCAD into drafting view  
Setting up Project North and placing location of a site  
Setting up boundary lines  
Renaming a drawing to Site Plan  
Setting up contour maps  
Linking a file, managing links  
Duplicating a view - creating a floor plan  
Levels and Grids

## WALLS

Dimensioning walls  
Constraining walls  
Front and back of walls  
Editing profile of walls  
Wrapping ends of walls  
Joins - disallow joins  
Construction and Materiality of walls

## WINDOWS AND DOORS

Placing windows in plan: dimensioning & duplicating  
Flipping windows and doors  
Modifying parameters - instance vs. type parameters

## ROOFS

Roof by footprint  
Creating gable, hip and skillion roofs  
Creating reference plane for roof extrusion start  
Roof profile  
Modifying extents of roof in 3d  
Cutting shafts  
Roof Structure/materiality  
Adding fascias  
Adding gutters  
Adding soffits on an angle  
Creating a model in place Soffit using Reference Planes

## FLOORS

Floor footprint  
Floor Structure/materiality

**VIEWS**

Setting up a Roof Plan  
explaining view depth parameters  
modifying roof plan, controlling model hatches and aligning hatches  
Ceiling Plans  
Adding lights  
Adding wiring  
Adding furniture components  
3d views  
3d rendering  
View templates

**SHEET SETUP**

Placing drawings on a sheet  
Re-naming sheets  
Activating a view  
Revision Clouds

**ROOMS**

Creating and tagging room  
Room separation lines  
colour plans

**DOCUMENTING**

Creating a floor slab with edge beams  
Creating a site pad  
Cutting profile  
Adding detail components  
Adding repeating detail components  
Adding level tags and slope tags  
Adding stairs  
Adding insulation

**SCHEDULES**

Explain Schedules  
Setting up parameters for a door and window schedule

**LEGENDS**

Adding windows and doors to a legend view  
Text / drafting legends

**KEYNOTING**

Differences between keynote types  
Setting up keynotes based on material  
Setting up text files  
Editing and modifying keynotes  
Creating a keynote Legend

**SHADOW DIAGRAMS**

Setting up shadow diagrams  
Adjusting shadows

**PHASING PROJECTS**

Explaining logic of phasing  
Setting up different phases  
Modifying how the phasing looks in settings

OUR CLIENTS INCLUDE



**PEDDLE THORP**

**KOOKAÏ**

**SIEMENS**

**Brookfield  
MULTIPLEX**  
Built to outperform.



**ACT**  
Government  
Health



*City of*  
**Whittlesea**