

Course of VisualARQ

(3 modules)

Module 1. Interface and modeling with BIM objects

1.1 VisualARQ Overview:

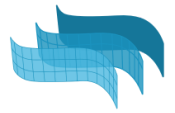
- Presentation overview
- Toolbars
- Display modes
- Project set up
 - Templates
 - Styles library
 - Layers
- Help and Learning material

1.2 Navigation tools

- Level Manager
- Section Manager
- Section attributes

1.3. Modelling an architectural project

- Document preparation
- Set Levels
- Work with architectural objects:
 - Slabs
 - from curves
 - control points
 - Subtract solid
 - Walls.
 - Control points
 - Wall styles and joints.
 - Wall commands: from curves, from solids, split, extend...
 - Attributes by styles. By Parent, by Layer,...
 - Curtain wall
 - Control points
 - From curves
 - Style properties
 - Doors and Windows,
 - System Doors and windows
 - From curve and from custom profile
 - From blocks
 - From Grasshopper definitions



- Columns (from custom profile)
- Stairs
 - Styles, rules, and flight edit options
- Beams
- Railings
- Furniture & Element objects
- Edit options

Module 2: Documentation tools

2.1 Page layout settings:

- Section attributes
- Details, Scales, Layers
- Align views to viewports/details
- Vector Output

2.2 2D Section and Plan Views

2.3 Drafting tools

- Annotations and styles
- Dimensions

2.4 Spaces

- Styles
- Label customization

2.5. Data management

- Custom Parameters
- Tables for quantity take-offs

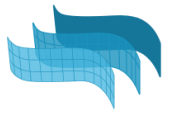
2.6 More documentation tools

- Opening Elevations
- Tags

Module 3: IFC and Integration with Grasshopper

3.1 Grasshopper Styles

- Examples



3.2 Grasshopper Components:

- Overview.
- Getting started examples
- Useful cases

3.3 IFC:

- Ifc Export and options
- Ifc Import and options
- Ifc Tag
- Custom Parameters as ifc Properties
- From VA to Revit. How are the objects exported?

3.4 Team collaboration

- .val exchange
- External references support