



STRUCTURE BIM COURSE OUTLINES

Total Hours (36)

Modeling (30 hours)

- General Brief & View Settings (3 hours)
 1. General Brief
 2. Templates
 3. Levels
 4. Create Views
 5. View Template

- Structural Elements (21 hours)
 1. Structural Foundation & Foundation Walls
 2. Pc & Rc Raft
 3. Structure beams & Tie Beams
 4. Structure column
 5. Structural Floors
 6. Beam Systems
 7. Hollow Block Slabs
 8. Structural Wall
 9. Structural Stairs
 10. Slab ON GRADE
 11. Ramps
 12. Revit Family Creation

- Filters, Parameters, Schedules (3 hours)

- Sheet (3 hours)
 1. Title Block Design
 2. Apply shared parameters
 3. Annotations
 4. Keyplan
 5. Sheet List
 6. Print Sheets CAD & PDF (Dirroots Addin)

Coordination (3 hours)

1. Concepts of NWC, NWD, NWF
2. Export to NWC Sittings
3. Create NWF and Link NWC for others disciplines
4. Clash Detection and Export Reports
5. Clash Navigator Tool (Addin)
6. Work Sharing (Locally, BIM360, ACC)

Management (3 hours)

1. BEP
2. MIDP / TIDP
3. MPDT
4. Model Progress Tracker
5. Engineering and Model Approval Process
6. Clash Matrix
7. Roles and Responsibility Matrix
8. Shared Parameter Asset Register
9. BIM360 Access List Form