

Eagle Point Training Road Map (Road Calc, Surface Modeling and Drafting)

Lecture – 1

- **Startup:**
 1. Project Description
 2. Project location and Drawing name
 3. Prototype Settings
 4. Manage Sub Projects

- **System Handling**
 1. Units
 2. Formats
 3. Precision
 4. Default CAD Settings
 5. Tools

Lecture – 2

- **Surface Modeling:**
 1. Manage Surface Model
 2. Surface Model Properties
 3. ASCII Points
 4. Boundaries and Void Regions

- **Triangulation & Outputs:**
 1. Place Grids
 2. Place Spot Elevations
 3. Place Triangles
 4. Place Contours
 5. Annotate Contours

Lecture – 3

- **Horizontal Alignment:**
 1. Add new PI
 2. Add PI by pick points
 3. Add PI by Coordinates
 4. Modify PI
 5. Horizontal Curve Data Management

Lecture – 4

- **Cross section Handling:**
 1. Extract Cross section
 2. Import Cross section
 3. Export Cross section
 4. Edit Cross section Data
 5. Cross section from Surface model
 6. Annotate Cross section

Lecture – 5

- **Vertical Alignment:**
 1. L-Section of Ground (Existing Profile)
 2. Design Profile
 3. Add VPI
 4. Vertical Curve Data Management
 5. Manage Profile

Lecture – 6

- **Typical Cross section (Template):**
 1. Manage Design Surfaces
 2. Manage Cross sections
 3. Construction of Template

Lecture – 7

- **Typical Cross section (Process):**
 1. Edit Design Location
 2. Edit Condition Table
 3. Slope Library
 4. Run Design

Lecture – 8

- **Project Outputs:**
 1. Volume Reports
 2. Plan and Profile Sheets
 3. Cross section Sheets
 4. Catch Lines