

## Model Day 1 Seminar Class Outline

**Note:** Although Earthwork Software Services **no longer conducts** the Day 1 AGTEK seminar, the Day 1 Handbook is the **textbook** that the Day 1 seminar was taught from and the latest updated edition of the Day 1 Handbook can be ordered at [www.earthworksoftwareservices.com/hbk-replace-order.aspx](http://www.earthworksoftwareservices.com/hbk-replace-order.aspx). The following outline topics draw from pages 54-230 of the Day 1 Handbook.

(Morning Class Session)

- 8:00 Sign-In and Seating
- 8:30 (Class Begins) Brief Seminar and Documentation Overview
- 8:40 Earthwork Modeling Step-by-Step
  - New Job File Setup
  - Import and Scale First PDF\* Plan Sheet
    - Verify and Correct PDF Plan Scale
  - Translate Job File to Designer's Coordinates
  - Geo-Reference Job File with Google Earth
  - Enter Existing Perimeter
  - Enter Existing Data Lines
    - Contours, Spot Elevations, Sloping Lines
- 10:00 Morning Break
- 10:15 Earthwork Modeling Step-by-Step (Cont.)
  - Error-Check and Correct Existing Data Lines
    - 2D/3D Views, Trimesh, Water Flow, Generated Contours
  - Enter Corrective Existing Break Lines
  - Import and Align Second PDF Plan Sheet
  - Enter Design Data Lines
    - Buildings, Landscape, Pond, Street
- 12:00 Lunch Break

\* Requires AGTEK PDF Utility (included with AGTEK 4D and GradeModel 3D but was an optional add-on module purchase for Earthwork 3D and SiteModel 3D).

## **Model Day 1 Seminar Class Outline (Cont.)**

(Afternoon Class Session)

- 1:00 Earthwork Modeling Step-by-Step (Cont.)
- Offset Design Data Lines (Buildings, Pond, Street)
  - Enter Design Perimeter
  - Error-Check and Correct Design Data Lines
  - 2D/3D Views, Trimesh, Water Flow, Generated Contours
  - Enter Corrective Design Break Lines
  - Enter and Verify Stripping Areas
- 2:30 Afternoon Break
- 2:45 Earthwork Modeling Step-by-Step (Cont.)
- Enter and Verify Report Regions and Sectional Areas
  - Generate Profile Views
  - Generate Cut-Fill Maps
  - Calculate Cut/Fill Volumes
  - Interpret Volume Report
  - Cut/Fill, Stripping, Sectional Quantities
  - Shrink/Swell on Volume Report
  - Net Import/Export Volumes
- 5:00~5:30 Class Adjourns