

# S1 Mobile Mapper for Android Field Data Collection Virtual Training Syllabus

---

## Overview

**Start @ 8:30 am / Est time: 10 mins**

- Introductions
- Syllabus and Schedule
- Training objectives:
  - Understand basic AGOL concepts
  - Understand basic functionality of S1 Mobile Mapper user interface
  - Download content (Esri Base Map, User Ref Map, Edit GDB/webmap to mobile device
  - Collect new features & edit existing features via digitizing and GPS
  - Sync collected data back to ArcGIS Online
  - Manage S1 content on the mobile device
  - Collect S1 tracklogs/waypoints & Geotagged photos
  - Other advanced tools and useful info.
  - S1 Q&A

## Lecture & Demo: ArcGIS Online (AGOL)

**8:40 am / Est time: 20 mins**

- AGOL Concepts overview
- User Profile – 10 mins AGOL Roles
- Review AGOL Content types – 10 min, Profile, Groups & Content in AGOL

## Lecture/Demo Exercise 1: Downloading Maps & Data

**9:00 am / Est time: 30 mins**

- Verify students were able to Login to App with student training accounts
- Download ESRI Base Maps (Imagery & Street)
- Download an Edit Geodatabase (GDB)
- Go over all S1 download content type options.

## Lecture/Demo Exercise 2: Create New Features (Digitize)

**9:20 am / Est time: 30 mins**

- Collect a Point (PT) Feature via Digitizing
- Collect a Line (LN) Feature via Digitizing
- Collect a Polygon (PG) Feature via Digitizing
- Use Measure Tool to Calculate Distance and Area

## Break

**9:50am 10 mins**

## Lecture/Demo & Exercise 3 Create New Features (GPS)

## **10:00am / Est time: 1.5 hrs (1 hr instructor demo, 30 mins student hands on)**

- Enable Track Log
- Collect a Point (PT) Feature via GPS Averaging
- Collect a Line (LN) Feature via GPS Streaming/Averaging
- Collect a Polygon (PG) Feature via GPS Averaging/Streaming
- Photo & Video Attachments
- Nested Point Data Collection – extra credit
- Selecting & Interacting with Map Features – selected features options
- Buffer Existing Feature Geometry
- Navigate to a Map Target

## **Lunch:**

### **11:30am 1 Hr**

## **Lecture/Demo Exercise 4: Sync Collected Data and Interact with Data in AGOL**

### **12:30pm / Est time: 30 mins**

- Sync settings overview
- Sync data Back to Feature Service/Webmap in AGOL
- Review how to access Online data AGOL Web maps, Web Apps, Dashboards & Scenes

## **Lecture/Demo Exercise 5: Mobile Device Content Cleanup**

### **1:00pm / Est time: 15 mins**

- Deleting Edit GDBs from the Device – covered in Exercise 4
- Deleting the Base Map from the Device
- (Optional) Deleting Tracklogs, waypoints, and geotag photos from the Device

## **Exercise 6: (Optional afternoon info if desired)**

### **Advanced Tools & Capabilities & Instructor Q&A**

## **Exercise 6: Recording GPS Track Logs and Capturing GeoTag Photos**

### **1:15pm / Est time: 1.25 hr**

- Capture a GeoTag Photo
- Configure GeoTag Photo Settings
- AGOL content discussion, webmap vs standalone service, BLM sync and submit, webmap settings, Configure S1 Options to Improve GPS Data Collection
- S1 General Q & A

## **2:30 Close out class if anyone is still on the call**

