Get Started with ArcGIS® Field Apps

STUDENT EDITION

Copyright © 2026 Esri

All rights reserved.

Course version 1.0. Version release date August 2026.

Printed in the United States of America.

The information contained in this document is the exclusive property of Esri. This work is protected under United States copyright law and other international copyright treaties and conventions. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or by any information storage or retrieval system, except as expressly permitted in writing by Esri. All requests should be sent to Attention: Director, Contracts and Legal, Esri, 380 New York Street, Redlands, CA 92373-8100, USA.

Export Notice: Use of these Materials is subject to U.S. export control laws and regulations including the U.S. Department of Commerce Export Administration Regulations (EAR). Diversion of these Materials contrary to U.S. law is prohibited.

The information contained in this document is subject to change without notice.

Commercial Training Course Agreement Terms: The Training Course and any software, documentation, course materials or data delivered with the Training Course is subject to the terms of the Master Agreement for Products and Services found at the following website: esri.com/TrainingTerms. The license rights in the Master Agreement strictly govern Licensee's use, reproduction, or disclosure of the software, documentation, course materials and data. Training Course students may use the course materials for their personal use and may not copy or redistribute for any purpose. Contractor/Manufacturer is Esri, 380 New York Street, Redlands, CA 92373-8100, USA.

Esri Marks: Esri marks and product names mentioned herein are subject to the terms of use found at the following website: esri.com/EsriMarks.

Other companies and products or services mentioned herein may be trademarks, service marks, or registered marks of their respective mark owners.

Table of Contents

Esri resources for your organization

Course introduction

Course introduction
Course goals
Installing the course data
Training Services account credentials
Icons used in this workbook

1 Preparing an ArcGIS organization for field operations

Lesson introduction
Implementing field operations using ArcGIS
Identifying the capabilities of ArcGIS field apps
Creating layers for use in ArcGIS
Preparing layers to support data collection
Controlling access with groups
Exercise 1: Create a group to manage field operations content
- Sign in to ArcGIS Online
- Create a group
- Add members to the group
- Share content to the group
- Create a folder
- Create a new hosted feature layer
- Define the symbology for feature layers

Lesson review
Answers to lesson 1 questions

2 Managing field data collection with ArcGIS QuickCapture

Lesson introduction
Introducing ArcGIS QuickCapture
Creating an ArcGIS QuickCapture project

Explore configuring an ArcGIS QuickCapture project for an improved data-collection experience
Exercise 2A: Create an ArcGIS QuickCapture project from an existing feature layer
Sign in to ArcGIS Online
Create an ArcGIS QuickCapture project
Configure button appearance
Use device variables to automatically capture attributes
Implement user input for captured attributes
Prepare to share the project
Use the mobile app to collect features
Monitoring an ArcGIS QuickCapture project's progress
Exercise 2B: Analyze collected data from ArcGIS QuickCapture
Open the project web map
Inspect collected data in Map Viewer
Visualize collected data using charts
Workflow review
Answers to lesson 2 questions

3 Creating surveys in ArcGIS Survey123

Lesson introduction
Introducing ArcGIS Survey123
Choosing an ArcGIS Survey123 form designer
Designing a form in ArcGIS Survey123 web designer
Explore ArcGIS Survey123 web designer question types
Styling a survey
Exercise 3: Create a simple survey using ArcGIS Survey123
Sign in to ArcGIS Online
Create a new survey
Configure location questions
Configure text, number, date, and time questions
Configure choice questions
Review the feature table's schema
Publish the survey
Share the survey
Review the survey

Using the ArcGIS Survey123 Assistant to create a survey
Workflow review
Answers to lesson 3 questions

4 Enhancing surveys in ArcGIS Survey123

Lesson introduction
Updating published surveys
Controlling survey behavior
Explore enhanced survey configurations that aid data collection
Exercise 4A: Enhance a survey using ArcGIS Survey123 web designer
- Open a published survey
- Add descriptive information to a survey
- Group survey questions
- Control question visibility
- Add constraints to a question
- Add a survey calculation
- Republish a survey
- Submit a survey in the Survey123 mobile app

Analyzing survey results in ArcGIS Survey123
Exercise 4B: Create a report using a template in ArcGIS Survey123
- Review survey results
- Review report templates
- Update a report template
- Add a report template to a survey
- Print a report

Lesson review
Answers to lesson 4 questions

5 Preparing content for use in ArcGIS Field Maps

Lesson introduction
Explore ArcGIS Field Maps components
Configuring feature layers for use in ArcGIS Field Maps
Exercise 5: Create hosted feature layers for use in ArcGIS Field Maps
- Sign in to ArcGIS Online
- Publish a hosted feature layer from a shapefile

Configure the sharing settings of the layers
Configure the layer's default symbology
Create a field index
Create a hosted feature layer with a related table using a feature layer template
Update a feature layer's schema
Creating a map in Field Maps Designer
Configuring a web map in ArcGIS Field Maps
Workflow review
Answers to lesson 5 questions

6 Configuring maps for use in ArcGIS Field Maps

Lesson introduction
Forms in ArcGIS Field Maps
Customizing form elements to improve usability
Exercise 6A: Configure a form in ArcGIS Field Maps Designer
Sign in to ArcGIS Online
Create a new map in Field Maps Designer
Configure a layer's form
Configure a table's form
Use layout elements to structure a form
Control element visibility using an expression
Add default values to elements using Arcade
Use Arcade to add defaults using spatial relationships
Configuring app behavior for effective data collection
Project configurations adjusting app behavior in ArcGIS Field Maps
Exercise 6B: Configure map settings in ArcGIS Field Maps
Review a map's additional sharing configurations
Create an offline area
Create a geofence
Share the map
Open a map in the ArcGIS Field Maps mobile app
Create a feature using the ArcGIS Field Maps mobile app
Lesson review

Answers to lesson 6 questions

7 Using tasks in ArcGIS Field Maps to manage field operations

Lesson introduction
Introducing tasks in ArcGIS Field Maps
Using tasks to support your fieldwork
ArcGIS Field Maps task workflow
Creating tasks using ArcGIS Field Maps
Controlling task access
Exercise 7A: Create a task-enabled layer in ArcGIS Field Maps
- Sign in to ArcGIS Online
- Create a map with a task-enabled layer in Field Maps Designer
- Configure task types
- Add a list of assignees to a task-enabled feature layer
- Customize task actions
- Share the map and layers

Managing tasks in ArcGIS
Exercise 7B: Use ArcGIS Instant Apps to monitor task progress
- Create an app to manage tasks
- Configure the app to manage tasks
- Create tasks in the manager app
- Complete a task in the ArcGIS Field Maps mobile app
- Analyze task completion in the management app

Lesson review
Answers to lesson 7 questions

Appendices

Appendix A: Data license agreement
Appendix B: Acknowledgments
Appendix C: Answers to lesson review questions
Appendix D: Additional resources