

Do-It-Yourself Geo Apps

Course Syllabus

Section 1

Overview of the Course and Geo Apps

Geo-enabling means more than plotting dots on a map. This section provides an orientation to the course and discusses how web maps and geo apps can be valuable tools.

Section 2

Data for Your Maps

Understand why good data is crucial for good apps, and how open data shared to an ArcGIS Hub site can be a powerful solution. Learn to configure web app templates and show how citizens can make the most of mobile devices.

Section 3

Smarter Communities Through Crowdsourcing

Learn to configure apps that tell your community's story. Collect crowdsourced data using ArcGIS Survey123, then display the results in a user-friendly dashboard.

Section 4

Geo Apps for Analysis

See how an organization can use Esri's ArcGIS Experience Builder to create more powerful geo apps that describe the demographics of an area or help citizens and field crews work smarter.

Section 5

Native Apps on Your Smartphone

In addition to web apps, geo apps are valuable in the form of native apps designed for mobile platforms. Use Esri's ArcGIS AppStudio to create native geo apps without any coding.

Section 6

Coding to Extend Apps

Go from configuring to extending geo apps using powerful APIs and SDKs to modify the code inside. Extend web apps using ArcGIS API for JavaScript and discover Esri's GitHub community, plus resources such as ArcGIS Tutorials, documentation, and sample code.

Esri® MOOC

TIPS FOR SUCCESS

Esri massive open online courses (MOOCs) are engaging, educational—and most of all, fun.
For the best experience:

CHECK YOUR TECHNICAL SETUP

Esri software is provided for your use during the course.

- ▶ Carefully read the Software section on the course catalog page to confirm you have any non-Esri software required and that your system meets all hardware requirements.
- ▶ Use a desktop computer—not a smartphone or tablet.
- ▶ Use a browser with a PDF reader plug-in installed.
- ▶ Make sure your firewall and browser settings allow you to view embedded video files.

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STAY ON TRACK IN COURSE EXERCISES

To easily move back and forth between step-by-step exercise instructions and Esri software:

- ▶ Print the instructions, use two monitors, or view the instructions on a separate device.

MANAGE YOUR TIME

To earn a certificate of completion, complete all course content by the course end date.

- ▶ Plan to spend about three hours per week on each section.
- ▶ Add the course end date to your personal calendar and set reminders to study.

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BE AN ACTIVE LEARNER

Practice independent learning and engage with your peers.

- ▶ Complete each section during its opening week and participate in forum discussions.
- ▶ Read weekly announcements for course updates and interesting student contributions.
- ▶ When you have a question or issue, follow the steps on the course Help page.

