Overview
This guide is an aid for educators who want to use Esri web-based training courses as part of their own college or university courses. Listed courses are available as of May 2015, with a few additional ones that are expected to be published before the fall 2015 term.

Full course descriptions for the recommended training offerings outlined below can be found at the links provided. All offerings listed are web courses unless noted otherwise. The complete Esri Training course catalog can be found here: www.esri.com/coursecatalog. The information provided in this guide is subject to change without notice. Please contact Esri Training at GIStraining@esri.com or (800) 447-9778, ext. 5757 with questions about courses.

Your institution may have an Esri Education software license that includes a Virtual Campus Annual User License. This license provides faculty, staff, and students free access to all premium courses (includes all courses listed here). To determine if this applies to you, contact your software license administrator or academicsales@esri.com.

ArcGIS fundamentals
The following training offerings cover fundamental skills and concepts about ArcGIS Online, ArcGIS for Desktop, and GIS in general.

Introduction to ArcGIS series
These courses use ArcGIS for Desktop (ArcMap); some also use ArcGIS Online, and may require an ArcGIS Online organizational account. (Note: This series replaced the course, Learning ArcGIS Desktop, at version 10.1.)

- **Getting Started with GIS** Introduces the basic components of a GIS and fundamental concepts that underlie the use of a GIS.
- **Referencing Data to Real-World Locations Using ArcGIS** Introduces fundamental concepts of coordinate systems and explains why understanding them is essential to creating accurate GIS maps and reliable analysis results.
- **Finding Geographic Data** Teaches how to define data needs, evaluate whether a given dataset matches those needs. Explores common geographic data formats and data sources.
- **Solving Spatial Problems Using ArcGIS** Introduces a standard five-step approach to geographic problem-solving. Presents common types of spatial analysis to create actionable information.
- **Python for Everyone** Introduces basic Python concepts and the Python scripting environment in ArcGIS.

ArcGIS Online
These courses examine how to discover, make and share content in ArcGIS Online. Most require an ArcGIS Online organizational account; some also require ArcGIS for Desktop (ArcMap). See course descriptions for details.

- **Getting Started with GIS** Introduces the basic components of a GIS and fundamental concepts that underlie the use of a GIS.
- **Creating and Sharing GIS Content Using ArcGIS Online** Shows how to publish data and map layers directly to ArcGIS Online as services, then use those services to quickly build a web map and web application.
- **Creating Web Applications Using Templates and Web AppBuilder for ArcGIS** Teaches how to create interactive, cross-platform web applications that feature maps and geospatial content, without writing code.
- **Learn ArcGIS** (Website with self-paced lessons) Introduces fundamental GIS concepts and skills through a gallery of project scenarios and lessons. Uses a dedicated ArcGIS Online organizational account.
ArcGIS fundamentals (continued)

**ArcGIS for Desktop using ArcGIS Pro**
These courses introduce fundamental concepts and workflows for the new ArcGIS Pro application. They require access to an ArcGIS Online account provisioned with ArcGIS Pro. For best results, students already should be familiar with ArcMap.
- **Getting Started with ArcGIS Pro** Introduces the ribbon-style interface, project-based organization, and key capabilities of ArcGIS Pro.
- **3D Visualization Using ArcGIS Pro** Introduces the ArcGIS Pro 3D environment and explains how to create and share realistic 3D scenes.
- **Automating Workflows Using ArcGIS Pro Tasks** (Late summer) Teaches how to design, create and use tasks to increase productivity.
- **Sharing Maps and Layers with ArcGIS Pro** (Mid summer) Teaches best practices for sharing projects, maps, layers, tools, and other items using a portal, such as ArcGIS Online, so that they can be used with mobile devices, web and desktop applications.

**Analysis and modeling using ArcGIS**
The following training offerings cover concepts and skills used in common practice for GIS analysis and modeling.

**ArcGIS Online**
- **Going Places with Spatial Analysis** (Massive open online course [MOOC], 6 weeks)
  Introduces how GIS analysis can be used to gain a deeper understanding of data, and teaches GIS concepts and skills using ArcGIS Online. Previous experience with GIS software is helpful but not necessary for tech-savvy problem-solvers. Next offering: September 1, 2015

**ArcGIS for Desktop using ArcMap**
- **Solving Spatial Problems Using ArcGIS** Introduces a standard five-step approach to geographic problem-solving. Presents common types of spatial analysis to create actionable information.
- **Distance Analysis Using ArcGIS** Uses ArcGIS Spatial Analyst tools to create raster surfaces for distance and path analysis.
- **Deriving Rasters for Terrain Analysis Using ArcGIS** Uses ArcGIS Spatial Analyst tools to derive new raster data from an elevation raster for a variety of applications.
- **Using Raster Data for Site Selection** Uses ArcGIS Spatial Analyst tools to perform different types of site selection analysis.
- **Building Models for GIS Analysis Using ArcGIS** Teaches how to use the ArcGIS ModelBuilder application to create, validate, and run models that automate geoprocessing and analysis workflows.
- **Exploring Spatial Patterns in Your Data Using ArcGIS** Explains how to conduct an in-depth examination of data characteristics using spatial statistics tools and ArcGIS Geostatistical Analyst tools.
- **Regression Analysis Using ArcGIS** Introduces regression analysis concepts and teaches how to create a properly specified regression model.

**ArcGIS for Desktop using ArcGIS Pro**
- **Distance Analysis Using ArcGIS Pro** Uses ArcGIS Pro to create raster surfaces for distance and path analysis.
- **Terrain Analysis Using ArcGIS Pro** Uses ArcGIS Pro and ArcGIS Spatial Analyst tools to derive new raster data from an elevation raster for a variety of applications.
- **Introduction to Regression Analysis Using ArcGIS Pro** Introduces regression analysis concepts and teaches how to create a properly specified regression model.
- **Building Geoprocessing Models Using ArcGIS Pro** Introduces geoprocessing models and the steps required to create, validate, and run models that automate ArcGIS analysis workflows.
Geodatabase fundamentals
The following web courses cover introductory geodatabase concepts and skills.

**ArcGIS for Desktop using ArcMap**
- **Getting Started with the Geodatabase** Introduces geodatabase components and presents techniques for efficiently organizing and adding both vector and raster data to a geodatabase.
- **Working with Geodatabase Domains and Subtypes in ArcGIS** Teaches how to use domains and subtypes to maximize editing efficiency and minimize potential for data entry error.

Imagery and raster data
The following web courses cover key skills and concepts required for working with imagery in ArcGIS.

**ArcGIS for Desktop using ArcMap**
- **Basics of Raster Data** Introduces fundamental raster data concepts.
- **Georeferencing Raster Data Using ArcGIS** Teaches a workflow to align a raster dataset with its real-world location and evaluate the accuracy of georeferencing results.
- **Orthorectifying Imagery Using ArcGIS (Early summer)** Presents two different methods for orthorectifying imagery: using the Image Analysis window and a mosaic dataset.
- **Performing Spatial Adjustment in ArcGIS (Early fall)** Teaches the methods and workflows for improving the accuracy of your data using spatial adjustment techniques.

ArcGIS solutions
The following training offerings cover the use of ArcGIS in specific contexts.

- **Exploring Design Alternatives Using GeoPlanner for ArcGIS (Early summer)** Introduces how to use ArcGIS for GeoPlanner to manage planning data and create and share planning designs.
- **The Location Advantage** (Massive open online course [MOOC], 6 weeks) Explores how the locational component of business data can be analyzed using GIS to improve understanding of markets, customers, and business processes. Recommended for business school students and recent graduates. Next offerings: May 2015 and November 2015

ArcGIS for educators
These courses could be helpful for teaching pre-service or in-service elementary or secondary teachers or for college faculty or staff who are engaging GIS in a variety of disciplines.

- **Teaching with GIS: Introduction to Using GIS in the Classroom** Presents strategies for integrating GIS to support instruction, discussion, and extended learning on any topic. Uses an ArcGIS Online public account.
- **Teaching with GIS: Field Data Collection Using ArcGIS** Presents a 5-step workflow using the ArcGIS platform to prepare editable web layers, make them accessible to students in the field, and enable students to collect data using a mobile device. Uses ArcMap, an ArcGIS Online organizational account, and Collector for ArcGIS.