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ASSIGNMENT 1: ARCGIS PRO PRACTICE

1. OBJECTIVE

This assignment guides you to familiarize yourself with a GIS software package, ArcGIS Pro by ESRI. As with any other software used in university classrooms, the use of GIS software is not taught in our subject (neither in the lecture nor in the labs). Instead, these online tutorials should help you to learn and practise this tool in your own pace, at any time and at any place, before you are going to use a GIS for your studies. In particular, you should do these tutorials **before the semester starts**.

ArcGIS Pro is becoming one of the most common used GIS worldwide. Even if you decide later to use another GIS software package you should do these tutorials to gain a first understanding of GIS principles. These principles are transferable between GIS software packages.

2. TASK

The following online tutorials require that you set up an account with ESRI for online training. Students who were enrolled before July 1 will receive (or have received by now) a registration email. All other students: the next batch registration will be at the start of the semester.

Follow the instructions in your registration email to create an account (if you don't have one) and connect it to your organization in order to get free access to the learning modules.

Then go to the Course Catalog (<https://www.esri.com/training/catalog/search/>). Work through the following suggested modules that are preparing for this subject:

1. GIS Basics
2. ArcGIS Pro Basics
3. Introduction to Spatial Data
4. Displaying Data in ArcGIS Pro
5. Getting Started with Mapping and Visualization
6. Introduction to Coordinate Systems
7. ArcGIS Pro: Analysis and Geoprocessing Essentials
8. Getting Started with Geoprocessing
9. Getting Started with Spatial Analysis
10. Displaying Raster Data in ArcGIS
11. Processing Raster Data Using ArcGIS Pro

12. Terrain Analysis Using ArcGIS Pro

13. Creating a Map Layout

Feel free to do other courses as well if you see titles that raise your interest.

We recommend:

(Getting started with ArcGIS Pro; Get Started with ArcGIS Pro; Getting Started with Geodatabase; Managing Map Layers in ArcGIS Pro; Basics of Geographic Coordinate Systems; Cartography; Understanding Spatial Relationships; Editing Basics in ArcGIS Pro)

Collect your completion certificates.

Tip: If you like to go beyond, or try other approaches / resources, then check this out:
<https://www.linkedin.com/learning/topics/arcgis>

3. DELIVERABLES

Submit ONE pdf file containing all completion certificates through LMS.

4. ASSESSMENT

If you submit at least five completion certificates by the due date you will be awarded 1 mark. If you submit ten completion certificates or more, you will be awarded 2 marks. No fractions will be awarded.