AGENDA

FOR ONLINE PRACTICAL MAPPING TO MAP MAKING COURSE 2022

Prerequisites

- Handheld GPS (or phone with GPS capabilities – not the best user experience)
- Compass & Clinoruler (Optional)
- PC / Laptop
  - Zoom software – Free (for video conferencing)
  - QGIS software – Free (for data processing & map making
- Internet Access


Presentation


Individual work


Group Work & Feedback


Video

Case Study

Assessment / Test

Day 1		
Time		*Activities*
8:00	  	*1. Introduction* • Know the participants • Course expectations and purpose, approach, methodology, structure • GIS skill levels and issues faced *2. GIS Basics* • Introduction to GIS • What is GIS?
10:15		*MORNING BREAK*
10:30	 	*GIS Basics (Continued)* • Applications of GIS Case Studies on GIS applications

		• GIS components • Types of data • Projections, Datums and Coordinate systems • Challenges and realities of field work
13:00		*LUNCH BREAK*

14:00		*3. Field Equipment and Safety*
		• Equipment
		• Safety
		• GPSs
		  ○ How to use a GPS
		  ○ Importing maps into a GPS
		  ○ Data types
		
		Practical Exercise in using a GPS (a GPS is required)

15:15		*AFTERNOON BREAK*
15:30		*4. Mapping Techniques* • Types of maps • Mapping data

Day 2		
Time		*Activities*
8:00		*Mapping Techniques (continued)* • Geological data on maps • Map elements (legend, north arrow, scales etc.) *Practical exercise of data collection*
10:15		*MORNING BREAK*
10:30		*5. Creating a Map (QGIS)* • Importing of data • Editing data • Georeferencing • Topography & contouring • Digitizing data • Map elements and finalizing of map
13:00		*LUNCH BREAK*
14:00		*Make a geological map (practical exercise)* (Using QGIS)
15:15		*AFTERNOON BREAK*
15:30		*Finalising geological maps* (Using QGIS)

		• Map QAQC • Map additions (sections & inset maps)
16:30	  	*6. Additional Information* • Tips and tricks • Open-source data sources • Remote Sensing (semiautomatic classification) *7. Closure* • Assessment • Questions and answer session