



**THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF WATER
WATER INSTITUTE –Mwanza Branch**



Mwanza -Water Institute (WI) announces Short Course Training on

1. GIS and Remote Sensing Applications for Water and Environmental Management (Basic GIS).

Course content

- Introduction to GIS and GIS software
- Spatial data and data management
- Georeferencing systems, Spatial data models and Spatial database management
- Spatial data input and manipulation
- Creating and Exporting Maps, transformation and editing.
- Spatial analysis and modelling, Spatial query and reclassification, Overlay analysis and map algebra and Spatial interpolation
- Measures of spatial distributions, Analysis of spatial patterns, Detection of spatial clusters and Modelling of spatial relationships
- Water quality mapping with GIS

The training costs Tsh 400,000/=Commences on 21/9/2020 to 25/9/2020

REMOTE SENSING AND DATA ANALYSIS. (For applicants with knowledge on Basic GIS)

Course Contents:

- Nature of remote sensing data
- Remote Sensing data Download
- Image preprocessing, enhancement, transformation and classification
- Digital terrain analysis and terrain models (DTM and DEM)
- Hydrologically correct DEMs
- Terrain attributes and Visibility analysis
- Spatial decision analysis and modelling
- Field Applications of Remote Sensing (ie. Land use and land cover analysis)

**The training costs Tsh 400,000/=.
Commences on 28/9/2020 to 2/10/2020**

Note: Participants applying for Basic GIS, Remote Sensing and Data analysis will receive a discount of 25%, payment will be 600,000/= only.



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Mwanza -Water Institute (WI) announces Short Course Training on

2. Plumbing and Pipe Fittings.

Course content:

- ❖ Pipe sizing for cold and hot water installation
- ❖ Pipe materials
- ❖ Pipe joining techniques
- ❖ Emergency repair
- ❖ Water economy

The training costs Tsh 400,000/=Commences on 7/9/2020 to 11/09/2020.

Participants will be awarded certificate of attendance

The training Shall be conducted at Water Institute Mwanza Branch, Located at Lake Victoria Basin Water board, Igogo, Mwanza..

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