

COVID 19
Preventive measures in
the lecture hall

GIS CERTIFICATE

University of Venda

Intake Date: 27th Nov—1st December 2023

40 Hours of lectures & practicals
maximum capacity: 20 participants

Facilitators



Dr N.S
Nethengwe
Facilitator
&
Coordinator



Mr. F.
Dondofema
Facilitator



Ms K.H
Netshisaulu
Technical
assistant



Dr J.N Steyn
Coordinator



Dr Zongho-Kom
Technical assistant
& Logistics

Registration and payment: FNB,
acc name: Univen Income Generation
Centre: acc no
62302437042, branch code: 260549
Ref no; GIS & SURNAME

Enquiries: Zongho-kom
Cell: 0726123244:Email:
zogokom@yahoo.fr
Ms. K.H Netshisaulu
Cell: 0762081516
Email:khathu.

Course Fee: R 7500-00

R6500-00 for Univen student 2022

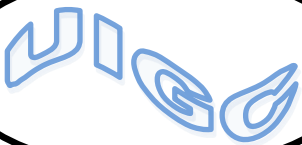
Khathu: mathivha@univen.ac.za
Tel: (015) 9628594

Target Delegates: Town Planners, Land Surveyors, Educators, Reseachers, Local Government authorities, Students, NGOs, Election Observers, Health practitioners, Crime Investigation officers, Botanists,, Environmental Consultants, Demographers, Civil Engineers, IT Managers, Transport Officers, Election Observers, Agriculturists, Hydro-Geologists, ETC

Supported by



University of Venda



Environmental Advisory
&
Assessment Unit

Department of Geography
&
GIS

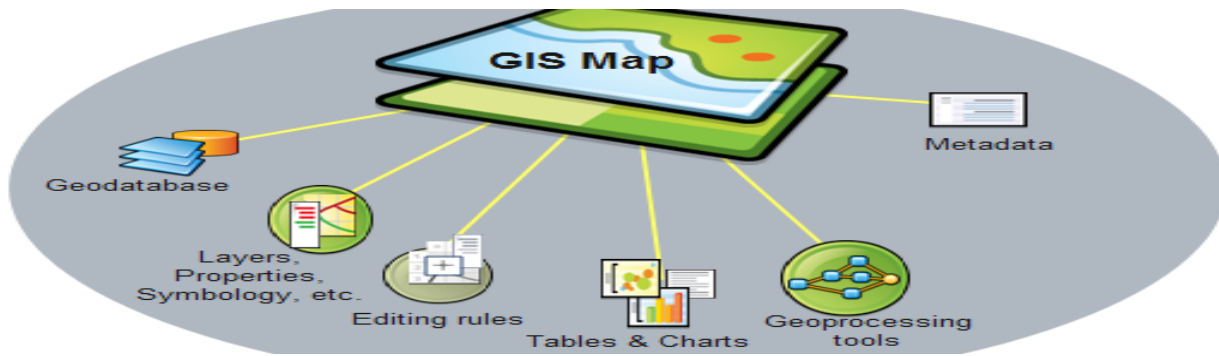
UNIVEN Cafeterian

TARGET Delegates;

- ◆ Town planners.
- ◆ Geologist,
- ◆ Hydrologist,
- ◆ Hydro-Geologists
- ◆ Botanists
- ◆ Conservationists
- ◆ Land Surveyors,
- ◆ Educators,
- ◆ Researchers,
- ◆ Undergraduate and post-graduate students,
- ◆ companies,
- ◆ Local government authorities,
- ◆ Regulatory authorities,
- ◆ Agriculturists
- ◆ Health practitioners,
- ◆ NGOs,
- ◆ Crime Investigators Officers
- ◆ Transport Officers
- ◆ Environmental and Waste recycle consultants,
- ◆ Business Entrepreneurs
- ◆ GIS managers
- ◆ Civil Engineers
- ◆ Demographers
- ◆ Election Observers
- ◆ GIS Coordinators
- ◆ GIS project Managers
- ◆ IT Managers

***40 Hours of lectures & practical
Maximum capacity: 20 Delegates
only***

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A quality –driven, financially sustainable, comprehensive University

The University of Venda is offering the following short course under the Univen Centre for Continuing Education (UCCE), a unit of Univen Income Generation Centre.

CERTIFICATE IN GEOGRAPHICAL INFORMATION SYSTEMS

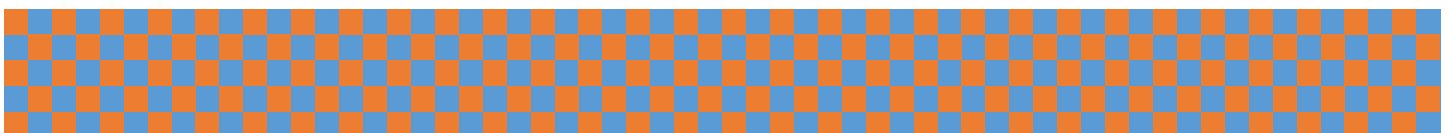
OBJECTIVES: To equip participants with knowledge and practical skills to apply **Geographical Information System (GIS)** technology to solving spatial problems, to familiarize participants with ArcGIS 10.9.1, the market leading GIS software package by ESRI and introduction to QGIS.



UP COMING SESSION

27th November — 1st December 2023

NB: Please, confirm booking one week before commencement of lectures to ensure a place for the intake of the course, **places are limited**



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THE COURSE

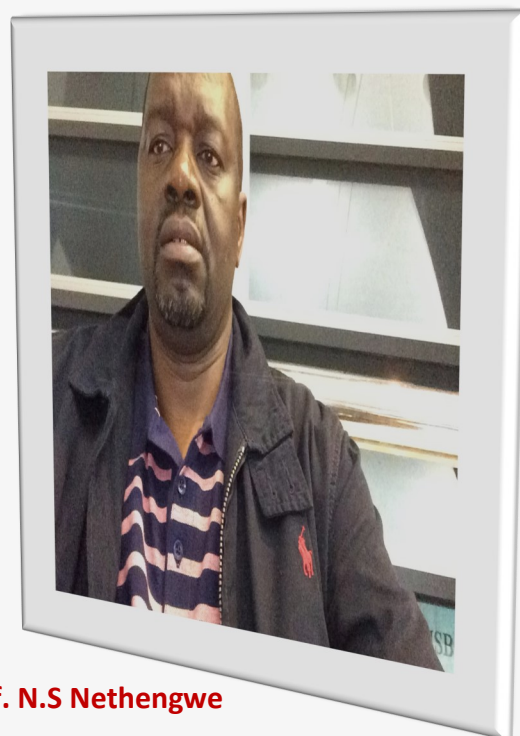
The GIS Certificate Course is an introductory course to the theory and practice of a Geographic Information System. The aim of the course is to introduce students, researchers, surveyors, town planners, Local government authorities, farmers, health practitioners and NGOs to computer assisted spatial analysis and decision making. It addresses

SCHEDULE

The GIS Certificate Course is presented in a 5-day block training fashion. This is a competence-based course and as such candidates are expected to do both theoretical and practical exams during the last

REQUIREMENTS

All applicants should be proficient in a Microsoft Windows environment, and should also be familiar with applications such as Microsoft Word, Excel is helpful, but is not a prerequisite. In order to apply for the course, no formal tertiary education is re-



Prof. N.S Nethengwe

Deputy Dean: Environmental Sciences

B(Hons) UCT. Msc (Wits). PhD (West Virginia, USA) Cert (GIS) University of Southern Mississippi, USA

Field of interest: Application of PGIS/PPGIS/RS in flood Risk; Gully extraction; Modelling soil erosion, Suitability analysis Cross-border Trade & Green economy

REGISTRATION AND PAYMENT;

Bank: First National Bank (FNB)

Acc Name: Univen Income Generation Centre

Acc No: 62302437042

Branch code: 260549

Ref No; GIS & SURNAME

R 7500-00 per delegate

R 6500-00 Univen student only (2023 Academic year)

Deposit: R 6000-00 to book for a place

NB: Send proof of payment

Enquiries:

Dr. Zongho-Kom

Cell: 0726123244

Email: zogokom@yahoo.fr

Ms. K.H Netshisaulu

Cell: 0762081516

Email: khathu.mathivha@univen.ac.za

Tel; (015) 9628594 / Tel: (015) 9628590

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CURRICULUM

The course consists of a theoretical as well as a practical module .

40 Hours of lectures & Practical

Theory:

- ◆ The history and philosophy of GIS
- ◆ The components of a GIS
- ◆ Data and data structures
- ◆ An introduction to Database Management Systems
- ◆ Map Projections, datum and Co-ordinate systems
- ◆ GIS Applications
- ◆ Spatial Modelling in GIS
- ◆ Global Positioning System

Practical:

(All practical work will be based on the use of ESRI ArcGIS 10)

ArcGIS 10 Software Basics

Data creation, editing, manipulation and display

Defining Map Projections and co-ordinate systems

Digitizing and inputting of GPS co-ordinates to the map

Geo-referencing & Geocoding

Geo-spatial Analysis and Map Production

Advance GIS Analysis Operations

Site Suitability Analysis

Measurement, Sampling and Boundaries in GIS



Mr. Dondofema F

Bsc (Hons) Agriculture Animals Science,
(University of Zululand) Bsc (Hons) Applied Remote sensing and GIS (UNISA) Msc pasture Ecology IWRM (UZ)

Field of interest: Application of remote sensing and GIS in Ecology, water management and agriculture

Light Breakfast; Coffee,
Hot chocolate, Tea,

And

Networking over full
Lunch

13:00—14:00

Coffee, Tea

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PRACTICALS SESSIONS



Dr. Jacobus Steyn

Bsc (Hons) Wildlife management (University of Pretoria), M. Environmental Science (University of the Free State)

Field of interest: Agroecology, Plant production, soil health, Rangeland and wildlife ecology management,

Each delegate per computer during practical and theory lessons

FEES

The overall course fee is **R 7500.00** excluding accommodation and travel. R7500.00 applies to those who are not registered with the University of Venda in this academic year, 2023. **R6500.00** applies to students who are registered with the University of Venda in this academic year 2023. A deposit fee of **R6000.00** is payable upon registration. The balance is payable before or on the first day of the course.

The University banking details are:

NB: Maximum capacity for the first 20 delegates



Ms K.H. Netshiasaulu

Bsc (Hons) Environmental Sciences (Univen), Master Environmental Sciences (Univen)

Field of interest: GIS & Remote sensing, Population and Demography, Cartography

APPLICATION PROCEDURE

Application to attend the course must reach the course co-ordinator at least two weeks prior to commencement of the course, accompanied by the full amount. Application must be made on the official enrolment form. Contact the Environmental Unit with all your enquiries regarding the course:

Dr. Zongho Kom or Ms. Mathivha-Netshiasaulu

Environmental Unit

Faculty of Engineering and Agriculture

University of Venda

Private Bag X5050

Thohoyandou

0950

Phone: +27(015)9628594/ (015) 9628590

Cell: 0726123244 or 0762081516

E-mail: zogokom@yahoo.fr or khathu.mathivha@univen.ac.za

Presentation: One block session. The block involves one week of lectures and practical.

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LUNCH TIME



Dr. Zongho-Kom

Bsc (Hons) Environmental Management and Social Sciences, University of Yaounde 1 (Cameroon), Bsc (Hons) Environmental Sciences (Univen), Msc Environmental Sciences (Univen) and Ph.D (Univen), Cert in Logistic, Mbabane (Kingdom of Swaziland)

Field of interest: Application of GIS and remote sensing/QGIS / PGIS/Web GIS, GIS in Agro-Business, Climate change, small-scale agriculture and Waste recycle



Group photo



Practical examination session
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Certificate award ceremony , 100% passed



Delegates relaxing and networking during lunch



**SCHOOL OF ENVIRONMENTAL SCIENCES
GIS CERTIFICATE COURSE
ENROLLMENT FORM**

University of Venda

FOR OFFICE USE ONLY:	
Starting date of course applied for	<input type="text"/>
Student reference nr	<input type="text"/>

PERSONAL DETAILS

Surname

Initials

First Names

Date of Birth

ID Number

Gender

Postal Address

Code

Home Telephone Nr

Cell Nr 0

E-Mail Address

EMPLOYER DETAILS

Occupation

Name of Employer

Address

Code

Contact Person

PAYMENT DETAILS

Method of Payment:

Cash: Receipt Nr:

Cheque: Cheque Nr:

Money Transfer: Reference

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