



December, 2021

GIS CERTIFICATE

University of Venda

**Intake Date: 13th - 17th
December, 2021**

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
R 7000-00 per participant
R 6000-00 Univen student
Deposit; R 5000-00

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

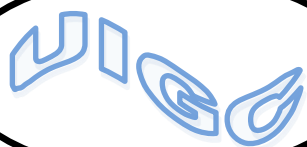
Khathu. mathivha@univen.ac.za
Tel: (015) 9628594

**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

School of Environmental Sciences

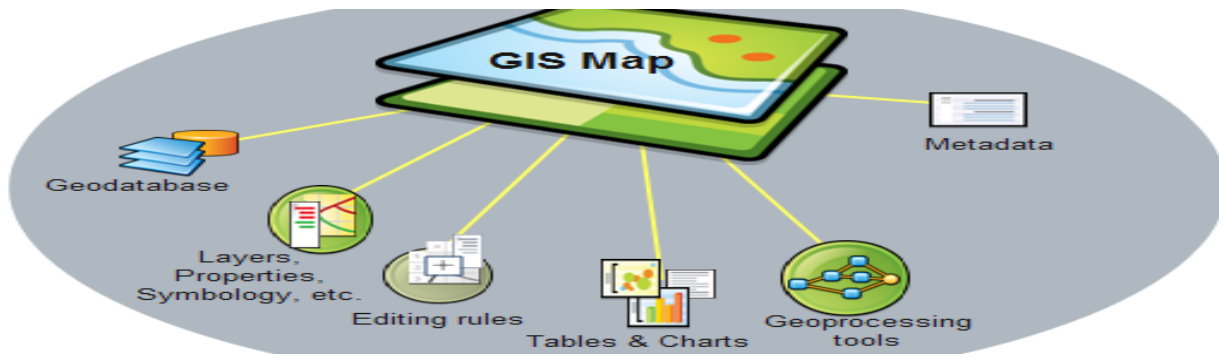
UNIVEN Cafeterian

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



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

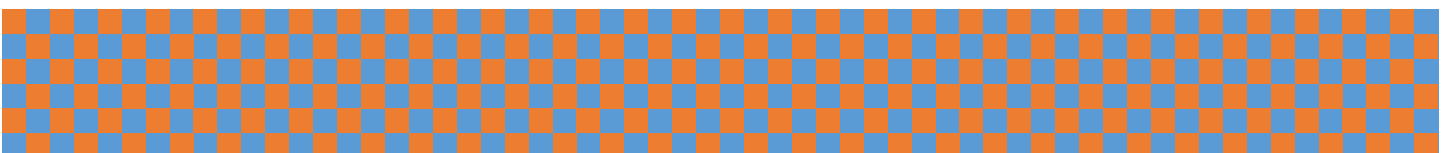
OBJECTIVES: To equip participants with knowledge and practical skills to apply **Geographical Information System (GIS)** technology to solving spatial problems, to familiarize participants with ArcGIS 10.9.1, the market leading GIS software package by ESRI.



UP COMING SESSION

13th —17th December 2021

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



THE COURSE

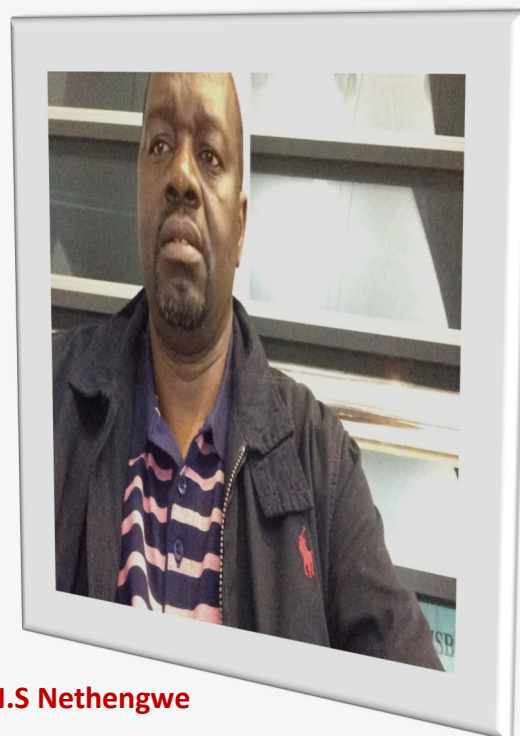
The GIS Certificate Course is an introductory course to the theory and practice of a Geographic Information System. The aim of the course is to introduce students, researchers, surveyors, town planners, Local government authorities, farmers, health practitioners and NGOs to computer assisted spatial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



Dr 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 7000-00 per delegate

R 6000-00 Univen student only

Deposit: R 5000-00 to book for a place

NB: Send proof of payment

Enquiries:

Zongho-Kom

Cell: 0726123244

Email: zogokom@yahoo.fr

Ms. K.H Netshisaulu

Cell: 0762081516

Email: mathivhja@Univen.ac.za

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

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

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



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 7000.00** excluding accommodation and travel. R7000.00 applies to those who are not registered with the University of Venda in this academic year, 2018. **R6, 000.00** applies to students who are registered with the University of Venda in this academic year 2018. A deposit fee of **R5000.00** 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:

Mr. Zongho Kom or Ms. Mathivha-Netshiasaulu

Environmental Unit

School of Environmental Sciences

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.

**13th – 17th December
2021**



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), 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



Certificate award ceremony , 100% passed



Delegates relaxing and networking during lunch

GIS certificate, 13th—7th December 2021 @ University of Venda



SCHOOL OF ENVIRONMENTAL SCIENCES GIS CERTIFICATE COURSE ENROLLMENT FORM

University of Venda

FOR OFFICE USE ONLY:

Starting date of course applied for
Student reference nr

PERSONAL DETAILS

Surname	<input type="text"/>
Initials	<input type="text"/>
First Names	<input type="text"/>
Date of Birth	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
ID Number	<input type="text"/>
Gender	<input type="text"/> <input type="text"/>
Postal Address	<input type="text"/> <input type="text"/> <input type="text"/>
Code	<input type="text"/>
Home Telephone Nr	<input type="text"/> <input type="text"/>
Cell Nr	<input type="text"/> <input type="text"/>
E-Mail Address	<input type="text"/>

EMPLOYER DETAILS

Occupation	<input type="text"/>
Name of Employer	<input type="text"/>
Address	<input type="text"/> <input type="text"/> <input type="text"/>
Code	<input type="text"/>
Contact Person	<input type="text"/>

PAYMENT DETAILS

Method of Payment:

Cash: Receipt Nr:

Cheque: Cheque Nr:

Money Transfer: Reference

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