

TSIVHUDZO GERALDINE LUTHADA

Land surveying in-service training

(Undergraduate)



CONTACT

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INTERESTS

Tsivhudzo is a student that loves team work when coming to tasks. In his spare time he researches about land surveying and companies that deals with surveying, successful projects done in construction companies

REFERENCES

Hlekani Constance Siweya(Mother)

0713762007/0716627319

Sizwe Mabasa(Brother)

0797064770

PROFILE

I am a final year student at Tshwane University of technology studying Land surveying, I am an inexperienced individual that is good at team work and very observant.

SKILLS

Microsoft word

Good listener

Time management

Good communicator

Intermediate with python (programming)

ACADEMIC

2013- 2017 NTSUXEKO HIGH SCHOOL

2018 – 2021 DIPLOMA IN LAND SURVEYING TUT

Completed all theoretical modules under Tshwane university of technology and I am now looking for in-service training in order to obtain my diploma

Languages

- English
- Xitsonga
- Sepedi



**Tshwane University
of Technology**

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Faculty of Engineering and the Built Environment

Department of Geomatics

TO WHOM IT MAY CONCERN

EXPERIENTIAL LEARNING: NATIONAL DIPLOMA SURVEYING

NAME: LUTHADA TG STUDENT NO: 218522033

The diploma course in Surveying consists of a total period of three years, two years of theoretical training at the Tshwane University of Technology and one year practical. If the student does not complete his/her experiential learning (practical), he/she cannot obtain his/her diploma.

It is preferable that the student completes one full year of experiential learning after the first year of theory (S1 & S2) at the University.

When the student registers for Experiential Learning (practical) he/she receives a Logbook via myTUTOR that he/she has to keep up to date. There are also monthly reports that have to be completed by the student and the mentor (person responsible for the student's guidance) and sent to the Tshwane University of Technology. At the end of every semester the student has to hand in the completed logbook at the Tshwane University of Technology for evaluation. It is therefore essential that the student work under the guidance of a qualified Surveying. During this period the student and mentor will be visited at least once to monitor the student's progress.

Experiential Learning is regarded as a subject and the student has to register for it the same way as all the other subjects. The registration fees will be determined by the Registration Department and will be adjusted from time to time. It is important to know that the student has to register for the subject every semester. During this period the student is not allowed to register for fulltime courses that will require the student to attend lectures. The student is however allowed to register for only one subject. During this period the student and the mentor will be visited at least once to monitor his/her progress.

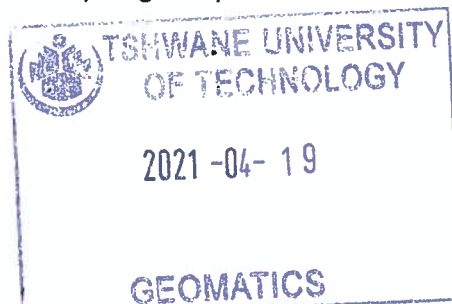
Attached is an example of the activities during a student's training period.

I hope the information is satisfactory. If there is anything else you would like to know, please contact me at the following numbers:

Regards,


Mrs. A VILJOEN

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EXPERIENTIAL LEARNING P1

	TYPE OF SURVEY	WORKING DAYS
1	PRECISE HORIZONTAL CONTROL ESTABLISHMENT: (Minimum 20 days) <ul style="list-style-type: none"> • Global Navigation Satellite Systems (GNSS) e.g. trilateration • Total Station based control techniques e.g. triangulation 	20
2	PRECISE / MEDIUM ACCURACY VERTICAL CONTROL ESTABLISHMENT: (Minimum 15 days) <ul style="list-style-type: none"> • Spirit Leveling • GNSS or Satellite based heighting 	15
3	MEDIUM ACCURACY CONTROL ESTABLISHMENT TECHNIQUES (HORIZONTAL & VERTICAL): (Minimum 15 days) <ul style="list-style-type: none"> • Trigonometric & Total Station Based height traversing • Horizontal traversing • Other techniques of equivalent accuracy and precisions 	15
4	TOPOGRAPHICAL SURVEYS: (Minimum 10 days) <ul style="list-style-type: none"> • Detailed surveying by Total Station, GNSS and/or traditional methods. • Include photogrammetric Field Work (annotation & photo control) Image interpretation. 	10
5	COMPUTER APPLICATIONS AND PROCESSING: (Minimum 10 days) <ul style="list-style-type: none"> • Survey and CAD Applications • Computer based reporting • Programming & Data processing • Internet Base OR Trignet GNSS 	10
6	GEOMATICS ENGINEERING / CONSTRUCTION: (Minimum 10 days) <ul style="list-style-type: none"> • Dimension, Verticality & Deformation Monitoring for Structures • Dam, Construction (Road/Rail) Surveys • Metrology 	10
	TOTAL DAYS	80

EXPERIENTIAL LEARNING P2

	TYPE OF SURVEY	WORKING DAYS
1	PRECISE HORIZONTAL CONTROL ESTABLISHMENT: (Minimum 20 days) <ul style="list-style-type: none"> • Global Navigation Satellite Systems (GNSS) e.g. trilateration • Total Station based control techniques e.g. triangulation 	20
2	PRECISE / MEDIUM ACCURACY VERTICAL CONTROL ESTABLISHMENT: (Minimum 15 days) <ul style="list-style-type: none"> • Spirit Leveling • GNSS or Satellite based heighting 	15
3	MEDIUM ACCURACY CONTROL ESTABLISHMENT TECHNIQUES (HORIZONTAL & VERTICAL): (Minimum 15 days) <ul style="list-style-type: none"> • Trigonometric & Total Station Based height traversing • Horizontal traversing • Other techniques of equivalent accuracy and precisions 	15
4	TOPOGRAPHICAL SURVEYS: (Minimum 10 days) <ul style="list-style-type: none"> • Detailed surveying by Total Station, GNSS and/or traditional methods. • Include photogrammetric Field Work (annotation & photo control) Image interpretation. 	10
5	COMPUTER APPLICATIONS AND PROCESSING: (Minimum 10 days) <ul style="list-style-type: none"> • Survey and CAD Applications • Computer based reporting • Programming & Data processing • Internet Base OR Trignet GNSS 	10
6	GEOMATICS ENGINEERING / CONSTRUCTION: (Minimum 10 days) <ul style="list-style-type: none"> • Dimension, Verticality & Deformation Monitoring for Structures • Dam, Construction (Road/Rail) Surveys • Metrology 	10
	TOTAL DAYS	80