

NELSON MANDELA
UNIVERSITY

Autumn Graduation
April 2024

Ceremony 1

Faculty of Science

Faculty of Engineering, the Built Environment and Technology

5 APRIL 2024 | 09:30



AUTUMN GRADUATION | 2024

VISION

To be a dynamic African university, recognised for its leadership in generating cutting-edge knowledge for a sustainable future

MISSION

To offer a diverse range of life-changing education experiences for a better world

VALUES

Excellence

Respect for Diversity

Ubuntu

Social justice and equality

Integrity

Sustainable stewardship





CONTENTS

Our Brand.....	5
Congratulatory Message.....	8
Our Chancellor, Vice-Chancellor and Chair of Council	10
We are Nelson Mandela University	12
Fast Facts.....	13
Reasons to be Proud	14
Our History	19
Office-Bearers of the University.....	20
Executive Deans of Faculties	21
Order of Proceedings.....	22

OUR BRAND

We are Nelson Mandela University

Together we are **Nelson Mandela University**. We are the only university in the world to be named after Nelson Mandela. Our iconic South African statesman, humanitarian and leader is known globally for what he achieved.

We are honoured as **Nelson Mandela University** to carry his name. In return, we honour our namesake by endeavouring to live his legacy. We honour him by using his name in full.

We are **Nelson Mandela University**.

Saam is ons **Nelson Mandela Universiteit**. Ons is die enigste universiteit ter wêreld wat na Nelson Mandela vernoem is. Ons ikoniese Suid-Afrikaanse staatsman, humanitêre figuur en leier, is wêreldwyd bekend vir wat hy bereik het.

Ons is geëerd as **Nelson Mandela Universiteit** om sy naam te dra. In ruil daarvoor, eer ons ons naamgenoot deur daarna te streef om sy nalatenskap uit te leef. Ons eer hom deur sy naam ten volle te gebruik. Ons is **Nelson Mandela Universiteit**.

Sisonke **siyiNelson Mandela University**. Siyeyona kuphela kweyunivesithi ehlabathini ethiywe ngoNelson Mandela. Isiswenye sethu nowayesakuba nguMongameli woMzantsi Afrika, onesisa nokwayinkokheli waziwa kwihlabathi jikelele ngenxa yowakuzuzayo.

Siziva siwongekile **njengeNelson Mandela University** ukuthwala igama lakhe. Ngokwembuyekezo, siphakamisela phezulu ugama wethu ngokuzama ukuphila kumzila wakhe.

Simpakamisela phezulu ngokusebenzisa igama lakhe ngokupheleleyo. **SiyiNelson Mandela University**.



Our logo

We developed a modern, font-based logo to communicate a forward-thinking concept. With its dynamic African feel, it sets Nelson Mandela University apart from its competition. The use of the circle and the triangle in the name creates a playful feel while alluding to ingenuity and creativity - two vital ingredients for change.



NELSON M

The colour palette was specifically chosen to reflect the University values and to add gravitas to the logo. We opted for blue, as it symbolises heritage, strength and trustworthiness. The bright yellow was chosen to add approachability, freshness and warmth.



CONGRATULATORY MESSAGE



Dr Geraldine Fraser-Moleketi
Chancellor

Graduation is a significant milestone in life. It is the culmination of an academic journey that reflects your ambition, determination, commitment, perseverance, and demanding work. We know that this journey is not yours alone, as many have travelled with you. These are your friends, your lecturers, supervisors, mentors, and your family. They have invested in you financially, guided your studies and encouraged you to keep going. But above all, they have believed in your ability to succeed and achieve this graduation dream.

Today we celebrate not only what you have achieved, but what this promises going forward in terms of your potential as a graduate and alumnus of Nelson Mandela University.

Your education is your passport to the future – and the future hopes of our country and continent. Indeed, education is the foundation to a better world. Or, as Nelson Mandela so eloquently put it:

“Education is the most powerful weapon which you can use to change the world.”

Your joy is our joy too.

We salute and applaud your achievement and wish you every success for your future endeavours, wherever they may take you.

Congratulations!

Uthweso zidanga ludumo olubaluleke kunene ebomini. Yinkcochoyi kuhambo lwemfundo enomsila echaza ukunxanwa kwakho, ukuzimisela, ukuzinikela, ukunyamezela kwanomsebenzi otya ixesha. Siyayazi ukuba olu hambo asilolwakho kuphela, nanjengoko uninzi luthweso lwakhenketha nawe. Abo ngabahlobo bakho, abahlohli bakho, amakhankatha, abacebisi, kwakunye nosapho lwakho. Batyale imali kuwe, bekukhokela kwizifundo zakho ze bakukhuthaza ukuba uqhubeke uye phambili. Kodwa ngaphezulu konke, baye bakholelwa kumandla wakho okuphumelela nokuzuza eli phupha lothweso sidanga.

Namhlanje sibhiyozela hayi nje othe wakuzuzwa, kodwa okulithemba lokuqhubekela phambili mayelana namandla owathweleyo njengothweswe isidanga kwaye ebengumfundi waseNelson Mandela University.

Imfundo yakho litikiti lakho elikukhokelela ebomini – kwaye ubomi obulithemba lelizwe nezwekazi lethu. Ngaphandle kwamathandabuzo, imfundo, sisiseko sehlabathi elingcono. Okanye, njengokuba eyibeka ngokucace gca uNelson Mandela xa esithi:

“*Imfundo lelona krele lakhe lanamandla ongathi ulisebenzise ukutshintsha ihlabathi.*”

Uvuyo lwakho luvuyo lwethu nathi.

Sikothulela umnqwazi kwaye sikuqhwabela izandla ngenzuzo yakho futhi sikunqwenelela impumelelo nakuso nasiphi na isigaba seenzame zobomi bakho, naphi na apho singakusa khona.

Huntshu!

Gradeplegtigheid is 'n belangrike mylpaal in die lewe. Dit is die hoogtepunt van 'n akademiese reis wat jou ambisie, vasberadenheid, toewyding, deurstellingsvermoë en veeleisende werk weerspieël. Ons weet dat hierdie reis nie joune alleen is nie, aangesien baie mense saam met jou gereis het, jou vriende, jou lektore, toesighouers, mentors en jou familie. Hulle het finansieel in jou belê, jou studies gelei en jou aangemoedig om voort te gaan. Maar bowenal het hulle geglo in jou vermoë om sukses te behaal en hierdie droom om te gradueer te bereik.

Vandag vier ons nie net wat jy bereik het nie, maar ook dit wat dit vorentoe beloof in terme van jou potensiaal as 'n gegradueerde en alumnus van die Nelson Mandela Universiteit. Jou geleerdheid is jou paspoort na die toekoms – en die toekomshoop van ons land en kontinent. Inderdaad, onderwys is die grondslag vir 'n beter wêreld. Of soos Nelson Mandela dit so welsprekend gestel het:

“*Onderwys is die magtigste wapen waarmee jy die wêreld kan verander.*”

Vandag is jou vreugde ook ons vreugde.

Ons salueer en loof jou prestasie en wens jou alle sukses toe vir jou toekomstige ondernemings, waar hulle jou ook al mag neem.

Veels geluk!



Professor Sibongile Muthwa
Vice-Chancellor

OUR CHANCELLOR, VICE-CHANCELLOR AND CHAIR OF COUNCIL



Meet **Dr Geraldine Fraser-Moleketi**, whose experience, commitment and heart for the continent's social and economic transformation are aligned with the goals of Nelson Mandela University.

Throughout her exemplary career, our Chancellor has worked for economic growth that is more sustainable. She has worked in inter-governmental structures, interacted with political leaders, business leaders and civil society, and has been involved in complex negotiations across different issues and sectors.

The titular head of our institution was previously Director of the United Nations Development Programme's (UNDP) Democratic Governance Group (DGP), based in New York, working across six regional centres in more than 100 countries.

Dr Fraser-Moleketi was Minister for Welfare and Population Development in South Africa's first democratic government and went on to serve as a member of the South African Parliament for three consecutive parliaments (1994 through September 2008).

Some of Chancellor's early achievements include participation in the multi-party negotiation process and as Deputy National Coordinator of the ANC's National Elections Commission ahead of the country's first democratic elections.

Our Chancellor serves on various boards, is a fellow of the Institute of Politics, Kennedy School of Government, at Harvard University, holds a master's degree in administration, and has received several awards, including the OP Dwivedi Public Service Award from the International Association of Schools and Institutes of Public Administration.



Professor Sibongile Muthwa is the Vice-Chancellor of Nelson Mandela University. Her second five-year term of office began in April this year.

Professor Muthwa holds a PhD from the School of Oriental and African Studies, University of London,

and an MSc in Development Policy and Planning from London School of Economics and Political Science. The Vice-Chancellor has enjoyed a distinguished career both in South Africa, and internationally, working in both development and public sector institutions, as well as in academia. Between 2010 and 2017 she was the Deputy Vice-Chancellor for Institutional Support, now known as People and Operations, at Nelson Mandela University.

Professor Muthwa served as the Chairperson of Universities South Africa [USAf] a membership organisation representing all South Africa's universities, that promotes and facilitates optimum conditions for universities to operate effectively and contribute to social, cultural and economic development.

She further serves on the Presidential Human Resource Development Council. Prior to joining the University, she served as Director General of the Eastern Cape Provincial Government [2004 and 2010]. Upon her return to South Africa, before joining government, she was Director of the Fort Hare Institute of Government.

She is deeply committed to gender justice, social inclusion and active democratic participation, and accordingly serves on a number of Boards and advisory structures, including from 2014 as a Commissioner of the Financial and Fiscal Commission, and served as its Deputy Chairperson from 2017-2019.

The Nelson Mandela University Council appointed **Ambassador Nozipho January-Bardill** as Chairperson of Council, the institution's highest decision-making body, in October 2017. She is currently serving her second term.

Ambassador January-Bardill's appointment as Council Chair was momentous, as she was the University's first black African female to take up the position.

She is an independent non-executive director of Mercedes Benz SA, the MTN Foundation, and two NGOs, Tshwaranang Legal Services (for women who are victims of gender-based violence) and Phenduka Literacy (for under-educated primary school pupils in Alexandra Township). In 2021 she was appointed

to the Board of Trustees of the United Nations Voluntary Fund for Technical Assistance and the Implementation of the Universal Periodic Report (UPR) in the office of the UN High Commissioner for Human Rights. Her own company Bardill and Associates advises companies on integrating race, gender and sustainable development into their business strategies and building cultures to end sexual harassment, bullying and GBV.

Ambassador January-Bardill served as SA's Ambassador to Switzerland, Lichtenstein and the Holy See as well as Deputy Director General, responsible for Human Resources and the Foreign Service Institute in the South African Department of Foreign Affairs. She was interim Chief of Staff and special advisor to UN Women and the UN Environmental Programme (UNEP) respectively.

Four years as Corporate Affairs Executive at MTN Group, the largest and most diverse mobile telecommunications company in Africa, exposed her to executive leadership in the private sector at home and on the continent, and the challenges of creating a human rights culture in business.

Ethical leadership and governance, social justice and sustainable development are central to her life and work.



WE ARE NELSON MANDELA UNIVERSITY

As a socially embedded African university in the service of society, we offer a range of life-changing educational experiences, impactful research and innovation, and transformative engagement.

These academic core missions are rooted in and informed by recent milestones in the University's history, such as the 2017 name change to Nelson Mandela University, the Vice-Chancellor's listening campaign, inaugural and Advancing Mandela addresses, and a transversal organisational redesign process.

We offer quality higher education to nearly 32 000 students across seven campuses, making us the largest university in the Eastern and Southern Cape.

What we offer

Nelson Mandela University is a comprehensive university that offers both general formative and professionally orientated academic programmes from certificate to doctoral level.

We have a strong track record in both fundamental and applied research, working extensively in partnership with business, industry, government, and civil society. The institution has 500 study programmes across

seven faculties that are internationally recognised and accredited by the relevant professional bodies. State-of-the-art IT services include WiFi connectivity across all campuses and in numerous off-campus facilities, as well as advanced technological resources and digital aids geared to effective in-person and blended modes of learning and teaching.

Along with a first-class academic education, Nelson Mandela University provides students with a vibrant student life beyond the classroom.

Our campuses

Our seven campuses have a large, ever-increasing footprint, with six in Gqeberha and one in George.

Of these, four are in Summerstrand, one in Bird Street in Central, and one in Missionvale. Our North and South campuses in Summerstrand are located on an 840-hectare private nature reserve.

Our George Campus is on the Garden Route, midway between Nelson Mandela Bay and Cape Town. Set at the foot of the Outeniqua Mountains, our "sustainability" campus is where our ecological footprint meets business acumen for a sustainable future.



FAST FACTS

7 **CAMPUSES**
 North, South, Ocean Sciences, Second Avenue
 (in Summerstrand) Missionvale (Missionvale), Bird
 Street (Central), George (George Campus in the
 Garden Route)



404
PROGRAMMES
 with headcount enrolments for 2024 thus
 far (19 March 2024)

7 **FACULTIES**
 (Business and Economic Sciences;
 Education; Engineering, the Built
 Environment and Technology; Health
 Sciences; Humanities; Law and Science)



32 178
HEADCOUNT ENROLMENTS

6 **INSTITUTIONAL
 RESEARCH
 THEMES**

2 436
PERMANENT EMPLOYEES



STRATEGIC FOCUS AREAS


640
**INTERNATIONAL
 STUDENTS**



39
**DIFFERENT
 COUNTRIES**

REASONS TO BE PROUD

Various ground-breaking projects, awards and achievements have given Nelson Mandela University and its staff and students reason to be proud, some of which are included below:

Winning designs

Architecture student **Luzuko Funda** won the annual national 2022 Corobrik Student Architecture Awards. He is the fourth winner from Mandela University over the past five years, keeping the tradition strong.



Spreading the Mandela brand

Social media is positively extending and entrenching the Mandela University brand as confirmed by the University's success as a winner of the **International Digital Communication Awards**.

Sharing the joys of this year's Autumn Graduation season, the institution's Communication and Marketing department substantially exposed the Mandela University brand into Africa and internationally to win the small budget campaign category.

Its social media posts were displayed over 15.5 million times to users (up by 112%) and generated over 1.9 million engagements (up by 348%) compared with 2022. Its video views grew by 678% to over 4.1 million.

Three of its Facebook videos had over 1.5 million impressions, with one reaching 4.7 million impressions and over 900 000 engagements, while one on Instagram had over a million impressions.

Science achievers

Professor Janine Adams (left image) and doctoral student **Carla Dodd** (right image) both received recognition for their groundbreaking water research at the South African Women in Science Awards ceremony.

Professor Adams, who holds the DSI/NRF Research Chair for Shallow Water Ecosystems and is deputy director for the Institute for Coastal and Marine Research, is the winner of the DSI Distinguished Woman Researcher in Natural Science and Engineering.

Carla, a doctoral student in Geosciences, was awarded the DSI-Ndoni Mcunu Fellowship: Doctoral Award for her pioneering research on groundwater resources.



A medical school making a difference

Our programme to train MBChB graduates in Gqeberha is the first and only medical school in the western part of the province. Intentionally anchored in Missionvale to engender urban renewal and regeneration, it is set to make a tangible contribution



to building capacity for accessible healthcare service delivery through its emphasis on primary health care.

Ocean Sciences: Growing the blue economy

Nelson Mandela University has embraced the United Nations declaration of the Decade of Ocean Science for Sustainable Development from 2021 to 2030.

With South Africa's coastline spanning approximately 3000km and bordered by three oceans, the University is perfectly placed to contribute to and benefit from this blue decade.

Nelson Mandela University has developed a range of ocean sciences education and training, research, innovation and engagement programmes to support the blue economy nationally and on the African continent. Nelson Mandela University was ranked as the top institution in South Africa for UN Sustainable Development Goal Four: Life Below Water in 2022.



Our overarching ocean sciences strategy is underpinned by the following objectives:

- Advancing inter- and transdisciplinary synergies to promote learning, teaching, research, innovation and engagement “where art meets science”
- Promoting social, economic, and environmental sustainability
- Developing and maintaining mutually beneficial and collaborative partnerships with civil society, industry, government, and other postschool educational institutions nationally and internationally

- Positioning the University to be a destination of choice for ocean sciences nationally and on the African continent.

[See more on Ocean Sciences at Mandela.](#)

Ocean Sciences awards

Nelson Mandela University has won five national and international infrastructure awards for the new extensions to its Ocean Sciences Campus in Summerstrand.

The University’s new triple-storey E Block with its aesthetically appealing, dedicated research spaces, specialised laboratories and signature dive tank, received high praise from judges in four competitions recently.

Infrastructure services and space optimisation deputy director Graham Gouws said as the only higher education institution in SA with a dedicated ocean sciences campus, Mandela University was home to a range of ocean sciences education and training, research, innovation and engagement programmes.

“These awards speak to our commitment to advance our scientific contribution to ocean sciences globally by developing fit-for-purpose spaces that meet this need,” Gouws said.

The new R54m wing built from department of education funding is part of the University’s commitment to the United Nations’ sustainability development goals relating to the sea.



State-of-the-art Science Centre

The University's new Science Centre, on its Ocean Sciences Campus, will serve as a dynamic education hub catering to learners, students, scholars, academics and the wider public.

The state-of-the-art Centre, which was officially launched by the Minister of Higher Education and Training Professor Bonginkosi Emmanuel Nzimande on 15 March this year, was established as an expression of Nelson Mandela University's commitment as an engaged institution.

The R54-million building, funded by the Department of Higher Education and Training's Infrastructure Efficiency Grant, is dedicated to using its resources, platforms, students, and staff in pursuit of building a learning society that embraces social justice.

In short, the University is set on making science accessible to the public. It's here, in what is the most sophisticated digital dome of its kind in the country to date, that scientists will share complex concepts with the public, engage in discussions and host interactive exhibitions and conferences.

The centrepiece, a 15-metre digital dome/auditorium, offers a unique immersive space for learning and visualising spatial models in an engaging and entertaining format. It is akin to an IMAX theatre, but on a grander scale, fully enveloping the viewer.

School learners who visit will enjoy a comprehensive tour, including a fully immersive show featuring videos showcasing topics such as life underwater or the potential for life in outer space.



Pioneering inclusive education with coding programme for the digital age

Mandela University is at the forefront of inclusive education and coding through its pioneering initiative, the Tangible Africa programme, which began in 2017 as a mobile app developed at the institution.

Computer Science student Byron Batteson's honours project has morphed into today's programme that transforming the educational landscape by empowering disadvantaged students to take up successful careers in coding.

In today's increasingly digital world, coding plays a central role in our lives, with the demand for online solutions, applications, and digital innovations skyrocketing. As the digital age advances, the role of software developers in shaping our future becomes indispensable.

Professor Jean Greyling, Head of the Department of Computing Sciences at Nelson Mandela University and the Tangible Africa Programme Founder, says: "While technologies like ChatGPT and AI are enhancing productivity, they will never replace the problem-solving abilities of skilled software developers."

He says software development is essential for a nation's innovation capacity, with many South African software companies exporting their products to Europe and America.

However, South Africa faces several challenges in promoting coding education. Over 16 000 schools lack computer labs, and many of the existing labs are non-functional. The shortage of qualified coding teachers compounds the issue, and there is a diminishing pool of matric learners with strong mathematical abilities - a critical prerequisite for coding.



Mandela University, through its Tangible Africa Programme, is addressing these challenges head-on. Launched in 2017, this initiative uses innovative methods to teach coding concepts, even in settings without access to computers, the internet, or electricity. Learners work collaboratively, solving challenges using physical puzzle pieces, thereby developing critical problem-solving skills.

The Tangible Africa Programme focuses on specific domains such as game poaching (RANGERS) and marine themes (BOATS), making coding education more engaging and accessible to diverse groups of students. New domains that will be introduced soon will be soccer and Formula 1 racing.

To date over 30000 teachers and other facilitators have been trained across Africa, and now also Europe. More than 100 000 learners benefitted from the programme, thanks to the collaboration with the Leva Foundation to address educational gaps and foster job creation and entrepreneurship.

"We are changing the African narrative. A product made in Africa for Africa is now being used in Africa and beyond," says Prof Greyling.

OUR HISTORY

The former institution was formed in 2005 as a result of the merging of the PE Technikon, the University of Port Elizabeth and the Port Elizabeth campus of Vista University (Vista PE).

The PE Technikon has its roots in the country's oldest art school, the PE Art School founded in 1882; the University of Port Elizabeth (UPE), the country's first dual-medium residential university, came into being on 31 January 1964; and the Port Elizabeth campus of Vista university, which opened up access to higher education for disadvantaged students.

The union of these institutions was part of countrywide restructuring of higher education, intended to deliver

a more equitable and efficient system to meet the needs of South Africa, the continent and the world in the 21st century. Founded on more than a century of quality higher education, Nelson Mandela University nurtures innovation, fosters creativity, embraces technology and develops people to meet the challenges of tomorrow.

Today, Nelson Mandela University is the only university in the world to carry the name of Nelson Rolihlahla Mandela, is a sought-after educational destination and the most diverse university in South Africa.

A full history of the institution is available on our website, along with insights into our namesake.

OFFICE-BEARERS OF THE UNIVERSITY

CHANCELLOR

Dr GJ Fraser-Moleketi: MAdmin (UP), DPhil (*honoris causa*) (Mandela University)

CHAIRPERSON OF COUNCIL

Ambassador NP January-Bardill: BA, Cert in Ed (UBL), MA (Essex University, UK), Dip HR Management (Damelin)
Doctor of Laws (*honoris causa*) (Glasgow Caledonian University)

VICE-CHANCELLOR

Prof SW Muthwa: BA(SW) (Fort Hare), BA(SW) Hons (Wits), MSc, PhD (London University, UK)

DEPUTY VICE-CHANCELLOR: ENGAGEMENT AND TRANSFORMATION

Prof A Keet: BA, HDE, BEd, MEd (*Cum Laude*) (UWC), PhD (Edu Manag, Law and Policy) (UP)

DEPUTY VICE-CHANCELLOR: LEARNING AND TEACHING

Dr SF Moeng: BA, HDE, BEd Hons (UPE), MSc (St Cloud State University, USA), DEd (NMMU)

DEPUTY VICE-CHANCELLOR: PEOPLE AND OPERATIONS

Mr LP Jack: NDip (PMA) (EC Technikon), BTech (PM)(PET), BAPhil (US), MCom (UKZN)

DEPUTY VICE-CHANCELLOR: RESEARCH, INNOVATION AND INTERNATIONALISATION

Prof HR Lloyd (Acting): BCom (UPE), BCom Hons (UPE), MCom (UPE), DCom (UPE)

DEAN OF STUDENTS

Dr BK Sebake (Acting): NDip (PM) TUT, BTech (PM) (UNISA), Masters (PM) (TUT), D Public Administration (Monitoring and Evaluation) (TUT)

EXECUTIVE DIRECTOR: FINANCE

Mr MR Monaghan: BCom (UPE), BCom Hons (UNISA), Professional Accountant (SA)

REGISTRAR

Mr EB De Koker: BA(UCT), BA Hons (UNISA), MA (Pub Admin) (University of Warwick, UK)

PRESIDENT OF ALUMNI ASSOCIATION

Mr S Hlwatika: LLB (NMMU), PGDip (Labour Law Practice), LLM (Labour Law) (Mandela University)

EXECUTIVE DEANS OF FACULTIES

BUSINESS AND ECONOMIC SCIENCES

Prof MR Mey (Acting): NH Dip (Mgt Prac) (PET), BCom (UPE), BCom Hons (UNISA), MTech (PET), D Tech (HRM) (NMMU), MIPM, RPP

EDUCATION

Prof HH Sathorar (Acting): BCom, HDE (*Cum Laude*), BEd Hons (*Cum Laude*) (UPE), MBA (*Cum Laude*) (NMMU), PhD (Mandela University)

ENGINEERING, THE BUILT ENVIRONMENT AND TECHNOLOGY

Prof M Sheldon: BTech BA, DEng (Chemical Engineering) (CPUT), Pr Tech Eng

HEALTH SCIENCES

Prof Z Zingela: MBChB (Natal), FC Psych (SA), M Med (UP), PhD Psychology (Mandela University)

HUMANITIES

Prof P Maseko: BA, BA Hons (UWC), MA, PhD, PGDip in Higher Ed (RU)

LAW

Dr L Biggs: BCom (Law), LLB (UPE), LLM (Labour Law) (*Cum Laude*), LLD (NMMU)

SCIENCE

Prof ZR Tshentu (Acting): BSc Hons (UPE), MSc (UPE), PhD (NMMU)

DEAN OF LEARNING AND TEACHING

Dr P Kota-Nyati: BA (Vista), BA Hons, MA Couns Psych (UPE), DPhil (Mandela University)

Order of Proceedings

Entrance of Academic Procession

Moment of Silence

Constitution of Congregation and Welcome

Chancellor

Choral Item

George Campus Choir

Awarding of Qualifications

Chancellor

Conferring of Doctoral Degrees

Chancellor

Message of Congratulations and Dissolution of Congregation

Chancellor

National Anthem

(The congregation is requested to stand for the singing of the National Anthem)

Departure of Academic Procession

(The congregation is requested to remain standing until the academic procession has left the hall)

* The words *Cum Laude* indicate that the diploma or degree is awarded with distinction to the candidate/s



FACULTY OF ENGINEERING, THE BUILT ENVIRONMENT AND TECHNOLOGY

HIGHER CERTIFICATE IN INFORMATION TECHNOLOGY IN USER SUPPORT SERVICES

BALOYI, Saseko Lolly
BAREKI, Tsaone Felicia
CELE, Thembelani
CHAKALALE, Nthateng Gloria
DE BEER, Sivenathi
DLAMINI, Mbalenhle
DYABENI, Siphethile
GALELA, Akhona Nwabisa
HANI, Luvo
KEOHITLHETSE, Keitumetse
MAKGOPA, Tshepo Lloyd
MAVENGANA, Luthando
MBENGO, Zukhanye Khanya
MESO, Dineo
MGWALI, Blessing Temba
MOFOKENG, Mosa
MPAMA, Sanelisiwe
MPETHA, Siyavuya
MUNZHELELE, Khumbudzo
NDIBONGO, Indiphile

NDZIPHO, Thokozile
NGWENYA, Kwanele Aleisha Ellen
NKOSI, Cornelius Lucky
NONTULULU, Athanathi
NTSEARE, Katiso
NYALUNGA, Noluthando Florence
PENN, Reata
PHAKATHI, Gcinile
PONTSA, Onke
RADEBE, Ncedo
ROBERTS, Letlhogonolo
SIHIYA, Lathitha
SIWELA, Cecilia Lala
TSHWALAKHE, Zimasa
WAYISI, Lwandile

CUM LAUDE

CHAUKE, Pearl

FACULTY OF SCIENCE

HIGHER CERTIFICATE IN VELDFIRE MANAGEMENT

MABE, Kgabo Anitta
MBULELO, Axole
MOKOENA, Siyabonga Kevin
RAJBAL, Daryl Oneil

DIPLOMA IN AGRICULTURAL MANAGEMENT

BROEKSMA, Matthew Charles
DLOVA, Nakhiwe Nuckey
DU BRUYN, Wilmé
GAGIPHELA, Sinelizwi
GALADA, Ndivuyile Innocent
KOLWANE, Zipho
MADLAVU, Sibabalo
MBUMA, Lwandiso
MCDONALD, Keegan Campbell
MJAMBANA, Ziphokenkosi
MKHABELA, Fortunate
MLAZA, Sive
MOTAUNG, Anton Jonas
NKOSI, Sithabiso Meluleki
NTENGENTO, Zikhona
PAPU, Sibabalo
QHAWESHE, Emihle
RAWLINS, Kaleb Jethro
XULU, Ntokozo
ZWANE, Sihle Noluthando

DIPLOMA IN FORESTRY

ANDERSON, Kaidene
COSSA, Rebecca
DE SWARDT, Tristin Chandler
DINISO, Isanda
DLAMINI, Benele Comfort
DLAMINI, Londeka Vuyiswa
FANDALEKI, Omega Zakhona Anele
GANA, Liyabona
LANGA, Khonelaphi
LELENI, Akholiwe
MAANASO, Mokgadi Magdeline
MACHI, Minenhle Mlondi
MADONSELA, Silindile
MASEKO, Mancoba Sandile
MATHEBULA, Elizabeth
MATIBANDLELA, Musa Mongisi
MAXHAWULANA, Siposetu Cindy
MHLABENI, Mhlali
MKHWANAZI, Lindokuhle
MOGOBA, Crecentia
MTHETHWA, Nokubonga
MTOLO, Mendy Duduzile
NENE, Vusumuzi Emmanuel

NGCOBO, Noxolo
NKOSI, Hlobisile Pertunia
NKOSI, Simphiwe
NKOSI, Zandile
NYAMEMBI, Avuyile
PHUNGULA, Mpumelelo Ndabenhle
RAMOTSAMAI, Thapelo
SHANGE, Senamile
SHANGE, Siphwiwe Nobuhle Zamadima
SHONGWE, Delani Yvonne
SOBETSHE, Onele Gcina
TSABEDZE, Nkosisebenzile

CUM LAUDE

GWAYISE, Buhle
KHUMALO, Bathandebonke
MAGAGULA, Nomalungelo Fortunate
MAGWENYANE, Patience Nomthandazo

DIPLOMA IN GAME RANCH MANAGEMENT

DEKEDA, Luvuyo
MBIXANE, Esethu
MKHWENKWE, Zukisani
WANNIES, Denver -Bradley Junior

DIPLOMA IN NATURE CONSERVATION

BALOYI, Nhlngano Austin
DHLADHLA, Hlayisani Winnie
DHLAMINI, Sithembiso
DLAMINI, Siyabonga
HARLEY, Louis Francois
JAKUTOWICZ, Witold Julian
KENNEDY, Christopher Richard
KGASWANE, Katlego Jesicca
KHOZA, Siyabonga Godfrey
MDLETSHE, Isaya Nzuzo
MDLULI, Sethu Amahle
MGIDI, Kellis Zizipho
MOHAMED, Ayub Jire
MOTHOA, Maggie Kgadi
MTHETHWA, Lindiwe Promise
NKUNA, Zwelakhe
NTSHANGASE, Sinethemba
PHANYA, Yanelisa
ROXO, Nokuzola Constance
SITATU, Anelisa
VENTER, Jan Adriaan
VENTER, Jessi

CUM LAUDE

FERREIRA, Deoni
KEETON, Murray James
LOUBSER, Hanna
VAN HEERDEN, Tayla Ann

DIPLOMA IN WOOD TECHNOLOGY

CHARLIE, Noluvuyo
MFINCI, Liya
MOYO, Awodwa
NKANGENI, Mthokozisi
PHIRI, Naureen

ADVANCED DIPLOMA IN AGRICULTURAL MANAGEMENT

BADI, Zikhona Megan
DLOKWENI, Mzingisi
LENTSA, Thuto
LUBAMBO, Zimi Kamvalethu
VAN DEN BERG, Christiaan

CUM LAUDE

GENU, Sinalo

ADVANCED DIPLOMA IN FORESTRY

BAKAJANA, Anele
BIYELA, Thulani Amen
BORCHERDS, Veronique
BUTHELEZI, Ayanda Precious
DLOKWENI, Philiso Peterson
FENTE-MATE, Nomajola
GAGA, Asanda
KHWELA, Ntyatyambokazi
MALELE, Stanley Julai
MAVUSO, Bawinile Perseverence
MBUYELENI, Zimvo Ayavuya Thina Sisipho
MEHLOMANE, Zusakhe
MKHIZE, Lulama
MOTHA, Sabelo Phumlani
NDLANGISA, Nomthandazo Precious
NDOU, Mushaisano Gift
NONGOBANI, Minentle
SABA, Entle
SONDHLANA, Phephi Angel
VOGES, Petrus Christiaan
ZUNGU, Wandile Gift

ADVANCED DIPLOMA IN NATURE CONSERVATION

AUBERY, Megan
JOKO, Elihle
MAILE, Thatego Appreciate Boipuso
MATSHOTYANA, Zukhanye
MOLTEN, Sinovuyo
MORRIS, Julia Robin
PHIRI, Hlengiwe Felicity Meta
RAMARU, Aluwani
SALOOJEE, Kamil
SHIDZINGA, Vutomi Earnest

CUM LAUDE

CURRY, Heath Duncan

ADVANCED DIPLOMA IN WOOD TECHNOLOGY

GROENEWALD, Ludrich
MKHIZE, Thobani
PINA, Mponeng

BACHELOR OF SCIENCE HONOURS IN NATURAL RESOURCE MANAGEMENT

ESSAMA MBEZELE, Bernard Yves
FIFORD, Taylor Scott
GOOD, Jethro Nicholas
GUMEDE, Thabo Esaia
KHOZA, Mduduzi Junior
MARKIDES, Yasmin Leigh
MBALULA, Asive
NDALENI, Lelonathemba
NTLOKWANA, Liyabona
SAMARASINGHE, Dinal Jerome Shelon
SCHIPPERS, Claude Lionel
TSHISHONGA, Zwivhuya Osvaldo
VAN BERGEN, Graham John
VAN ROOYEN, Nicholas Taylor
ZITHA, Henny Mbukuteni
ZULU, Thembinkosi Bobokie

CUM LAUDE

BASSON, Hannah
CISHE, Avelile
CLARK, Callum David
DAVIES, Ruby May
RYEN, Rebecca
STOLS, Dietre
TEIFEL, Kai Eric
VISAGIE, Marna

MASTER OF SCIENCE (RESEARCH)

DAVIDSON-PHILLIPS, Samuel Ralph - **Cum Laude**

(Nature Conservation)

Title of dissertation:

ESTIMATION OF A GENERALIST MESO-CARNIVORE (BLACK-BACKED JACKAL) POPULATION FROM A FENCED PROTECTED AREA

Supervisor: Prof JA Venter
Co-supervisor: Dr LH Swanepoel

DOCTOR OF PHILOSOPHY

CONRADIE, Werner
(*Nature Conservation*)

Title of thesis:

HERPETOFAUNAL DIVERSITY AND AFFILIATIONS OF THE OKAVANGO RIVER BASIN, WITH SPECIFIC FOCUS ON THE ANGOLAN HEADWATERS

Supervisor: Prof JA Venter
Co-supervisor: Dr U Fritz

NDLOVU, Noxolo Nokwethemba
(*Nature Conservation*)

Title of thesis:

THE SOIL AND WATER FATE OF PESTICIDES USED OPERATIONALLY IN SOUTH AFRICAN FORESTRY PLANTATIONS

Supervisor: Prof KM Little
Co-supervisor: Dr BR Baillie
Co-supervisor: Dr CA Rolando

DOCTORAL CITATIONS



THE DEGREE OF DOCTOR OF PHILOSOPHY (NATURE CONSERVATION)

WERNER CONRADIE

Previous qualifications:

2004 Bachelor of Science (Zoology and Biochemistry)
2006 Master of Environmental Science
2008 Postgraduate Certificate in Education

North-West University
North-West University
Rhodes University



Thesis:

HERPETOFAUNAL DIVERSITY AND AFFILIATIONS OF THE OKAVANGO RIVER BASIN, WITH SPECIFIC FOCUS ON THE ANGOLAN HEADWATERS

This study aimed to document and to quantify the herpetofaunal diversity and endemism of south-eastern Angola, one of the most poorly known regions in Africa. During the project more than 2150 records were documented, including fifteen species never recorded from Angola as well as the description of eight new species. Numerous undescribed species were identified, - long standing taxonomic issues were resolved, and various taxonomic adjustments were emphasised. Heightened endemism was found mainly concentrated around the headwaters of the Okavango River Basin, thus highlighting a higher conservation importance. This thesis contributed greatly to the growing knowledge of this neglected region of Africa.

Supervisor: Prof JA Venter
Co-supervisor: Dr U Fritz

THE DEGREE OF DOCTOR OF PHILOSOPHY (NATURE CONSERVATION)

NOXOLO NOKWETHEMBA NDLOVU

Previous qualifications:

2014	National Diploma (Forestry)	Nelson Mandela Metropolitan University
2015	Bachelor of Technology (Forestry)	Nelson Mandela Metropolitan University
2017	Master of Science (Forestry)	Nelson Mandela University



Thesis:

TOWARDS UNDERSTANDING THE SOIL AND WATER FATE OF PESTICIDES (ACTIVE INGREDIENTS) USED OPERATIONALLY IN SOUTH AFRICAN FOREST PLANTATIONS

The study investigated the environmental fate and potential risk posed by the South African forestry industry pesticide-use to human health and non-target soil and aquatic organisms. The results from this work are encouraging as they showed that apart from two pesticides, all other pesticides applied and investigated, when used according to product label recommendations and standard operating procedures, pose a low risk to human health and non-target soil and aquatic organisms. This work will help to ensure that the forestry industry continues to protect environmental values and communities living adjacent to and/or affected by forestry operations (such as downstream water users).

Supervisor: Prof KM Little
Co-supervisor(s): Dr BR Baillie
Dr CA Rolando

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Nkosi Sikelel'i-Afrika,
Maluphakanyisw'uphondo lwayo,
Yizwa imithandazo yethu,
Nkosi Sikelela, thina lusapho lwayo.

Morena boloka setjhaba sa heso,
O fedise dintwa le matshwenyeho.
O se boloke, O se boloke setjhaba sa heso,
Setjhaba sa South Africa.

South Africa.

Uit die blou van onse hemel,
Uit die diepte van ons see.
Oor ons ewige gebergtes
Waar die kranse antwoord gee.

Sounds the call to come together,
And united we shall stand.
Let us live and strive for freedom,
In South Africa our land.

Change the World

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