

DECEMBER 2022

GRADUATION CEREMONY

BLOEMFONTEIN CAMPUS

Faculty of Health Sciences

Bachelor's Degrees, Postgraduate Diplomas, Master's Degrees, and
Doctoral Degrees

MONDAY 12 DECEMBER 2022 | 09:00

VISION **130**
*Renew and Reimagine
towards 2034*



UNIVERSITY OF THE FREE STATE
UNIVERSITEIT VAN DIE VRYSTAAT
YUNIVESITHI YA FREISTATA



PROGRAMME

12 DECEMBER 2022 | 09:00

BLOEMFONTEIN CAMPUS

CONSTITUTION OF THE CONGREGATION

OFFICIAL WELCOME

MUSICAL ITEM

PRESENTATION OF CANDIDATES

CONGRATULATORY MESSAGE

NATIONAL ANTHEM OF SOUTH AFRICA

DISSOLUTION OF THE CONGREGATION

PLEASE NOTE

List of candidates receiving degrees and diplomas:

Degrees and diplomas of candidates who are unable to attend the graduation ceremony will be conferred in absentia.

An* next to a name indicates that the degree and diploma is awarded with distinction.

By attending the graduation ceremony, you agree that the UFS may use photographs taken by the official photographer in which you appear for marketing purposes.

By attending the graduation ceremony, you agree that the UFS may use video footage taken by the official videographer in which you appear for marketing purposes.



Nkosi sikelel' iAfrika

NATIONAL ANTHEM OF SOUTH AFRICA

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 Afrika -
South Afrika.
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.

In order to maintain the dignity of the ceremony, you are requested to take note of the following:

- Please stand as the procession enters the hall
- Do not move around during the ceremony in order to take photos
- Please refrain from unacceptable actions such as whistling
- Please put your cellphone on silent so as not to disturb the proceedings
- We strive to conduct the ceremonies in a dignified manner
- Please do not leave the hall before the graduation proceedings have been concluded
- Family and friends who are unable to attend may watch the full graduation ceremonies through our livestream link at <http://livestream.ufs.ac.za>.

Inspiring excellence, transforming lives through quality, impact, and care.



BLOEMFONTEIN CAMPUS

ABOUT THE UFS

The University of the Free State (UFS) has a proud history as one of the oldest institutions of higher education in South Africa. It opened its doors in Bloemfontein in 1904 as the Grey University College, with six students in the Humanities. Today it is a multi-campus institution, with two diverse campuses in Bloemfontein and one in Qwaqwa in the scenic Eastern Free State, accommodating more than 40 000 students in its seven faculties (Economic and Management Sciences, Education, Health Sciences, the Humanities, Law, Natural and Agricultural Sciences, Theology and Religion), with an increasing number of international students and associates, and an ever-widening scope of active involvement in and contribution to its surrounding communities.



QWAQWA CAMPUS

For the past 118 years, the UFS has been delivering quality graduates who have made their mark in various sectors. What sets the institution apart is its holistic student support initiatives, enabling it to achieve some of the highest success rates in the country. Delivering students who are in high demand in the global job market remains a top priority. An established network of industry partners and close collaboration with the public and private sectors, as well as a continuous process of transformation and curriculum renewal, dovetail to produce highly employable graduates.

UFS research efforts are driven by dedicated scholars, some of whom are international leaders in their fields, with industry and social impact and real-world application.

Through the principle of engaged scholarship, the UFS responds to societal needs by using its scholarly and professional expertise with an intentional public purpose and benefit.

The UFS is an institution that goes all out to provide its students and staff with an outstanding university experience. Everything the institution does is rooted in its values of excellence, innovation and impact, accountability, care, social justice, and sustainability.

The UFS aspires to be a research-led, student-centred, and regionally engaged university that contributes to development and social justice through the production of globally competitive graduates and knowledge. Our Vision 130 is an elaboration of our strategic intent to reposition the university for 2034, when we will commemorate our 130th anniversary.



SOUTH CAMPUS

DEVELOPMENT OF THE UFS CREST OVER MORE THAN A CENTURY



1904

Up to 1935, the same coat of arms was used as the Grey College School.



1935

By 1935, with the name change to University College of the Orange Free State, the coat of arms fell into disuse, especially among students.



1947

In 1947, an agreement between management and students led to the new motto *Per Fidem ad Sapientiam* (Through faith to wisdom).



1950

In 1952, it was changed to *In Deo Sapientiae Lux* (In God is the light of wisdom). The traditional orange, white and blue, linking the UFS to the South African national colours, changed in the late 1990s.

The orange was replaced by cherry red.



UNIVERSITY OF THE FREE STATE
UNIVERSITEIT VAN DIE VRYSTAAT
YUNIVESITHI YA FREISTATA

2011

The academic brand - the historic University of the Free State crest that has been the symbol of the university since 1952, has evolved to embrace the aesthetic expectations of the stakeholders.

The shape of the traditional academic shield has been simplified and contemporised. Much of the symbolism of the crest remains intact, acknowledging the location of the UFS brand as one of the country's premier institutions of higher education, with a proud history of academic excellence and an ever-evolving, vibrant culture.



GRADUATION CEREMONY 2022

Honorary Awards | Honorary Doctorates

1950	GLP Moerdyk – DLitt (h.c.)		FP Retief – DMed (h.c.)		T (Karel) Schoeman – DLitt (h.c.)
1951	NC Havenga – LLD (h.c.)		JA Stegmann – DCom (h.c.)		YK Seedat – DMed (h.c.)
1952	Thos Blok – DEd (h.c.)	1987	WA Joubert – LLD (h.c.)		MK Seely – DSc (h.c.)
	SHS Rubidge – DSc (h.c.)		B Kok – DPhil (h.c.)		C Seerveld – DPhil (h.c.)
1955	CR Swart – LLD (h.c.)		WP Venter – DCom (h.c.)		F van Z Slabbert – DPhil (h.c.)
	CA v Niekerk – LLD (h.c.)	1988	JJN Cloete – DAdmin (h.c.)		JC Steyn – DLitt (h.c.)
1958	CPB Brink – LLD (h.c.)		FC Fensham – DLitt (h.c.)		PA Verhoef – DTh (h.c.)
	CF Visser – DEd (h.c.)		JW vd Riet –DPhil (h.c.)		L van den Heever – LLD (h.c.)
1959	DB Bosman – DLitt (h.c.)	1989	BJ Meyer – DSc (h.c.)	2005	HA Wessels – LLD (h.c.)
	SP le Roux – DScAgric (h.c.)		N van Uden – PhD (h.c.)		A du P Heyns – DMed (h.c.)
	DF Malherbe – DLitt (h.c.)	1990	MG Corbett – LLD (h.c.)		JJF Durand – DPhil (h.c.)
	GH v Rooyen – MA (h.c.)		JS Rabie – DLitt (h.c.)		JA Groenewald – DSc (h.c.)
1960	SPE Boshoff – DLitt (h.c.)	1991	SS Brand – DCom (h.c.)		WH Neuser – DTh (h.c.)
1961	T Boydell – DPhil (h.c.)		JWL de Villiers – DSc (h.c.)		M Ramos – PhD (h.c.)
1962	ES Botes – DEd (h.c.)		GT Fagan – DArch (h.c.)		SJ Terreblanche – DCom (h.c.)
	PE Rousseau – DSc (h.c.)		JH Hofmeyer – PhD (h.c.)	2006	T Moss – PhD (h.c.)
1963	EH Louw – LLD (h.c.)		E v Heerden – DLitt (h.c.)		PV Cox – PhD (h.c.)
	EN Roberts – DSc (h.c.)	1992	JP Louw – DLitt (h.c.)	2007	BJ (Bannie) Britz – DArch (h.c.)
	JGF (Kaalkop) vd Merwe – DCom (h.c.)		H Olivier – DSc (h.c.)		KPD Maphalla – PhD (h.c.)
	HF Verwoerd – DLitt et Phil (h.c.)	1993	JD Anderson – DMed (h.c.)	2008	D Ferreira – DSc (h.c.)
1966	PSZ Coetzee – DPhilTh (h.c.)		RR Arndt – DSc (h.c.)	2009	JC Look – PhD (h.c.)
	PJ du Toit – DSc (h.c.)		SJ Naudé – LLD (h.c.)		LTC Harms – LLD (h.c.)
	MS Louw – DCom (h.c.)	1994	JJ Human – DPhil (h.c.)	2010	P Gordhan – PhD (h.c.)
1967	SM Naudé – DSc (h.c.)		JA Myburgh – DMed (h.c.)		BBS Ngubane – PhD (h.c.)
	LC Steyn – LLD (h.c.)		JP vd Walt – DSc (h.c.)		AH Strydom – PhD (h.c.)
	BJ Vorster – LLD (h.c.)	1995	WA Landman – DEd (h.c.)		M Jones – PhD (h.c.)
1968	SJ Naudé – DCom (h.c.)		WL Mouton – DPhil (h.c.)	2011	D Tutu – DTh (h.c.)
1969	CW (Nellie) Swart – DPhil (h.c.)	1996	WDO Marasas – DSc (h.c.)		P Fourie – DLitt (h.c.)
	AJJ Wessels – DCom (h.c.)		NE Wiehahn – LLD (h.c.)		OG Winfrey – DEd (h.c.)
1970	GS Nienaber – DLitt (h.c.)	1997	AP Brink – DLitt (h.c.)		RWM Frater – PhD (h.c.)
	HO Mönnig – DSc (h.c.)		B Hurwitz – DPhil (h.c.)		A Sawyer – DEd (h.c.)
1971	N Diederichs – DCom (h.c.)	1998	FC Müller – DMed (h.c.)	2012	RJ Goldstone – LLD (h.c.)
	RS Verster – DPhil (h.c.)	1999	FM Claerhout – DPhil (h.c.)		ER v Heerden – DLitt (h.c.)
1972	LW Hiemstra – DPhil (h.c.)		JJF Hefer – LLD (h.c.)		M Nussbaum – DLitt (h.c.)
	PJ Meyer – DPhil (h.c.)		S Nigam – DSc (h.c.)		OW Prozesky – MD (h.c.)
1975	PJ Nienaber – DLitt (h.c.)		WL Nkuhlu – DCom (h.c.)		FDJ Brand – LLD (h.c.)
	De la H de Villiers – DScAgric (h.c.)		MA Ramphela – DPhil (h.c.)	2013	ZKG Mda – DLitt (h.c.)
	GJ Stander – DSc (h.c.)		HJO van Heerden – LLD (h.c.)	2014	ML Blum – PhD (h.c.)
1976	AJA Roux – DSc (h.c.)		FJ van der Merwe – PhD (h.c.)		L Mulvey – DLitt (h.c.)
1978	SP Botha – DSc (h.c.)	2000	MH Daling – DCom (h.c.)	2015	L Brahimi – DPhil (h.c.)
	EM van Zinderen Bakker – DSc (h.c.)		TN Liversedge – PhD (h.c.)		JM Samuel – DEd (h.c.)
	HB Thom – DEd (h.c.)		I Mahomed – LLD (h.c.)		MA Oduyoye – DTh (h.c.)
1979	FCL Bosman – DPhil (h.c.)	2001	BP Gilbertson – DCom (h.c.)	2016	JD Sacks – DEcon (h.c.)
	G Cronjé – DSocSc (h.c.)		NR Mandela – LLD (h.c.)		RJ Khoza – DEcon (h.c.)
	CJF Human – DCom (h.c.)		EC Taglauer – DSc (h.c.)		TA Manuel – DEcon (h.c.)
1980	G Boonzaier – DPhil (h.c.)	2002	BH Meyer – PhD (h.c.)		M du Preez – PhD (h.c.)
1981	PW Botha – DPhil (h.c.)		BAK Rider – LLD (h.c.)		J Samoff – DPhil (h.c.)
	B Human – DCom (h.c.)		CF Slabber – PhD (h.c.)		F Haffajee – PhD (h.c.)
	SG Shuttleworth – DSc (h.c.)		JM Stetar – DEd (h.c.)	2017	PH Holloway – DSc (h.c.)
1982	BLS Franklin – DPhil (h.c.)	2003	EWA de Corte – DEd (h.c.)		M Botha – LLD (h.c.)
	GvN Viljoen – DEd (h.c.)		HA Serebro – DPhil (h.c.)	2019	BL Fanaroff – DSc (h.c.)
1983	L Luyt – DCom (h.c.)		AG Sykes – DSc (h.c.)		J Mofokeng wa Makhetha – DLitt (h.c.)
	SF Zaaiman – DPhil (h.c.)	2004	S Badat – DPhil (h.c.)		MB Molemela – LLD (h.c.)
1984	HS Steyn – DSc (h.c.)		R Bringle – DPhil (h.c.)	2021	ZM Yacoob – LLD (h.c.)
	FR Tomlinson – DScAgric (h.c.)		J de Wet – DMus (h.c.)		SM Pityana – DPhil (h.c.)
	JH vd Berg – DMed (h.c.)		CF Fauconnier – DSc (h.c.)		RJ van Niekerk – DLitt (h.c.)
1985	L Alberts – DSc (h.c.)		GJ Gerwel – DPhil (h.c.)	2022	WK Byanyima – PhD (h.c.)
	GG Cillié – DPhil (h.c.)		WD Jonker – DTh (h.c.)		DM Davis – LLD (h.c.)
	SPD le Roux – DLitt (h.c.)		A Krog – DLitt (h.c.)		DE Moseneke – LLD (h.c.)
	A Polson – DPhilMed (h.c.)		K Mokhele – DPhil (h.c.)		AL Sachs – LLD (h.c.)
	J du P Scholtz – DPhil (h.c.)		CJC Nel (Postuum) – PhD (h.c.)		MJ Wingfield – DSc (h.c.)
1986	S Grové – DMus (h.c.)		L Quayle – DMus (h.c.)		

Shields of Honour, Council and Chancellor's Medals

1994	Prof FO Müller (Shield of Honour)	2003	Prof HC Janse van Rensburg (Council Medal)
	RE Schoombie (Shield of Honour)		Prof SA Petersen (Shield of Honour)
1995	Prof FO Müller (Chancellor's Medal)	2008	Ludo Helsen (Shield of Honour)
	RE Schoombie (Chancellor's Medal)	2009	Prof JU Grobbelaar (Council Medal)
1996	Prof S Mittman (Shield of Honour)	2010	Mrs AM Dippenaar (Chancellor's Medal)
1997	Prof M Jansens (Shield of Honour)	2014	Dr H Verster (Chancellor's Medal)
1998	Prof CJC Nel (Chancellor's Medal)	2014	Mr JL Pretorius (Chancellor's Medal)
	Prof C Swanepoel (Chancellor's Medal)	2016	Mr AD Osler (Chancellor's Medal)
1999	WJ (Hansie) Cronje (Shield of Honour)		Ms M van der Merwe (Chancellor's Medal)
	Prof David Justice (Shield of Honour)	2017	Ms JS Isaacs (Chancellor's Medal)
2000	Prof P Rosseel (Shield of Honour)	2019	Mr JF de Villiers (Chancellor's Medal)
	Prof MJ Viljoen (Chancellor's Medal)		Ms EM Oosthuizen (Council Medal)
2001	Prof PC Potgieter (Chancellor's Medal)	2022	Dr N Pearce (Chancellor's Medal)
2002	T Moss (Shield of Honour)		Mr N Janse van Rensburg (Council Medal)
	Prof CD Roode (Chancellor's Medal)		

MESSAGE FROM THE RECTOR AND VICE-CHANCELLOR | PROF FW PETERSEN

Welcome to the graduation ceremony of the University of the Free State (UFS).

Today is a special day indeed. Few events and occasions hold as much significance as your graduation. This day is just as important for those who have supported you along the way. Many of you had to overcome a lot during your journey to get here today. Many of you are the first in your families to reach this milestone. So, even in the midst of the disruptive past two years, you have earned this moment and you should be extremely proud. Always acknowledge and recognise the significance of your achievements as you transition from being a University of the Free State (UFS) student to a UFS graduate.

Graduands, you have had the honour of studying at an institution that commands a track record that is on par with well-regarded national peers, as reflected in the 2023 Times Higher Education World University and Impact Rankings. Sufficient evidence indicates that higher education has the potential to function as an agent of change and a means of serving the greater good. Although the mission of our university has always been to equip you with knowledge and skills needed to make a difference in your field of study, we are also mindful that values are as important for you to make a difference in your communities.

The UFS places great emphasis on ensuring that students and staff have an outstanding university experience. In our pursuit of excellence, we are proud that our environment is conducive for intellect and knowledge to flourish. As such, our values of excellence, innovation and impact, accountability, care, social justice, and sustainability are embedded in all activities across the institution.

Graduands, irrespective of what you undertake in the future, remember to pursue your passion, and continuously have the desire to make a difference in the lives of others. Surround yourself with real people in real communities, while inculcating kindness, empathy, passion, and awareness of the real issues. If you want to tackle the unfinished goals of this country and create a better world – build bridges, remain morally astute, and grow your coalitions. Life can be challenging if you are on your own – however, great results can be achieved if you work as a collective.

It is up to you to align yourself with those who have a common cause, heal the divisions that keep us separated, and carry along those who have been left out and are struggling.

Congratulations to all our graduands. May you have continued success in all your endeavours!

Welkom by die Universiteit van die Vrystaat se gradeplegtigheid.

Vandag is voorwaar 'n spesiale dag. Min gebeurtenisse en geleenthede het soveel betekenis as 'n mens se gradeplegtigheid. Hierdie dag is net so belangrik vir diegene wat julle langs die pad ondersteun het. Baie van julle moes talle uitdagings te bowe kom tydens julle reis om vandag hier te wees. Baie van julle is die eerste in julle gesinne om hierdie mylpaal te bereik. So, selfs te midde van die ontwrigting van die afgelope twee jaar, het julle hierdie oomblik verdien en kan julle baie trots wees.

Erken en herken altyd die belangrikheid van jou prestasie waar jy van 'n student van die Universiteit van die Vrystaat (UV) beweeg na 'n UV-gegraduateerde.

Gegradueerdes, julle het die eer gehad om aan 'n instelling te studeer wat 'n prestasierekord het wat gelykstaande is aan welbekende nasionale eweknieë, soos weerspieël in die 2023 Times Higher Education World University en Impact-ranglys. Talle bewyse dui daarop dat hoër onderwys die potensiaal het om te dien. Alhoewel die missie van ons universiteit nog altyd was om julle toe te rus met kennis en vaardighede wat nodig is om 'n verskil in julle studieveld te maak, is ons ook bedag daarop dat waardes vir julle net so belangrik is om 'n verskil in julle gemeenskappe te maak.

Die UV plaas groot klem daarop om te verseker dat studente en personeel 'n voortrefflike universiteitservaring het. In ons strewe na uitnemendheid is ons trots dat ons omgewing bevorderlik is vir intellek en kennis om te floreer. As sodanig is ons waardes van uitnemendheid, innovasie en impak, aanspreeklikheid, omgee, sosiale geregtigheid en volhoubaarheid ingebed in alle aktiwiteite oor die instelling heen.

Gegradueerdes, ongeag wat julle in die toekoms aanpak, onthou om julle passie na te streef en behou die begeerte om voortdurend 'n verskil in ander se lewens te maak. Omring juis met regte mense in regte gemeenskappe, terwyl julle welwillendheid, empatie, passie en bewustheid van werklike kwessies inskerp.



As julle die onvoltooide doelwitte van hierdie land wil aanpak en 'n beter wêreld wil skep – bou brûe, bly moreel skerpinnig, en laat julle koalises groei. Die lewe kan uitdagend wees as 'n mens op jou eie is – goeie resultate kan egter behaal word as julle as 'n groep saamwerk.

Dit is julle verantwoordelikheid om juis in ooreenstemming te bring met diegene wat 'n gemeenskaplike saak het, die verdeeldheid te genees wat ons verdeeld hou, en om diegene wat uitgelaat is en sukkel, met julle saam te neem.

Baie geluk aan al ons graduandi. Mag julle voortgesette sukses in al julle ondernemings behaal!

Re a le amohela moketeng wa kabo ya dikgau wa University of the Free State (UFS).

Letsatsi lena ke le kgethehileng ka nnete. Ke diketsahalo tse mmalwa haholo tse bohlokwa jwalo ka ho abelwa kgau ya yunivesithi. Letsatsi lena le bohlokwa hape le ho batho ba ileng ba le tshetsa leetong la lona. Ba bangata ba lona le ile la hlola maima a mangata leetong la lona ho fihla mona kajeno. Ba bangata ba lona ke lona ba pele malapeng a lona ho fihlela sehloholo sena sa katleho. Ka hoo, esita le hara dilemo tse pedi tse fetileng tse bileng le tshitiso e kgolo, le fihlele motsotsong ona mme re motlotlo ka lona haholo.

Ka dinako tsohle amohelang le ho lemoha bohlokwa ba dintlha tseo le di fihleletseng ha jwale le tlhoa boemong ba ho ba moithuti mona University of the Free State (UFS) ho fetela boemong ba ho ba graduate ya UFS.

Baithuti ba seng ba tla abelwa dikgau tsa yunivesithi, le bile le tlotta ya ho ithuta setheong sa thuto se nang le nalane e ntle e kgemang le bomphato ba yona ba hlomphehang naheng, jwalo ka ha ho boletswe ho 2023 Times Higher Education World University and Impact Rankings. Ho na le bopaki bo hlwellanang hodimo bo bontshang hore thuto e phahameng e na le monyetla wa ho sebetisa jwalo ka kofuto e hlalisang phetoho le mokgwa o hlalisang melemo e meholo ka ho fetisisa. Le hoja mishini ya yunivesithi ya rona ka dinako tsohle e bile ho le hlomella ka tsebo le bokgoni bo hlokalahalang ho etsa phetoho dithutong, re boela re lemoha hore dinto tsa boleng di bohlokwa ho etsa phapang metseng ya lona.

UFS e kgothaletsa haholo ho etsa bonnete ba hore baithuti le moifo ba na le boiphihlelo ho hlaleletseng ka mahetla ba yunivesithi. Maikemisetso sa rona a ho hahamalla diphihlelo tse ipabolang, re motlotlo hore tikoloho ya rona ke e loketseng bakeng sa fana ka bohale le tsebo ho atleha. Ka lebaka lena, magabane a rona bakeng sa diphihlelo tse ipabolang, mehopolo e metjha le tshusumetso e ntle, boikarabelo, tlhokomelo, le toka e se nang leeme setjhabeng, le ho tswella ke dinto tse bopeletsweng mesebetsing yohle ya setheo sena sa thuto.

Baithuti ba seng ba tla abelwa dikgau tsa yunivesithi, ho sa natswe hore na le tla etsa eng nakong e tlang, hopolang ho phehella ditabatabelo tsa lona ka tsheseho, mme le tswelle pele ho ba le takatso ya ho etsa phapang bophelong ba batho ba bang. Etsang hore le dikadiketswe ke batho ba sebele metseng ya sebele, ha le ntse le ruta le ho jala mosa, kutwelobohloko, tjantjello, le temoho ya ditaba tsa sebele. Haeba le batla ho sebitsana le dipakane tse sa qetwang le ho theha lefatše le betere – hahang marogo, dulang le le bohale, le ho theha maqhama a lona a diitsebedisano. Bophelo e ka ba bo phephetsang haeba o sebetisa o le mong – le ha ho le jwalo, diphetho tse babatseheng di ka fihlellwa ka tsebedisano le ho ba ngatana-ningwe.

Dinto di mahetleng a lona ho iphaphatha le batho ba nang le dipheo tse tshwanang, ho kwala dikgeo tse re arohanyang, le ho jara batho ba ileng ba siuwa mora le ba nang le mathata a ba sitisang.

Re thoholetsa baithuti kaofela ba rona ba seng ba tla abelwa dikgau tsa bona tsa yunivesithi. E se ka le ka ba le katleho e tswelang pele mekutung ya rona kaofela!



UFS

VISION:

The UFS aspires to be a research-led, student-centred, and regionally engaged university that contributes to development and social justice through the production of globally competitive graduates and knowledge.

MISSION:

The university's ultimate goal is to impart and generate new knowledge that impactfully supports societal development.

VALUES:

The UFS subscribes to a set of values, explicated below, which shape and inform our culture and provide a framework for our actions and decisions. Our values are realised through the conduct of the wider university community: excellence, innovation and impact, accountability, care, social justice, and sustainability.

OFFICE-BEARERS



CHANCELLOR
Prof BF Mohale
Professor of Practice (JBS)



**RECTOR AND
VICE-CHANCELLOR**
Prof FW Petersen
PhD (SU)



CHAIR OF COUNCIL
Mr D Noko
HND Mechanical
Engineering (UJ)



**VICE-RECTOR:
OPERATIONS**
Prof P Naidoo
PhD (VISTA)



**VICE-RECTOR:
INSTITUTIONAL CHANGE,
STRATEGIC PARTNERSHIP,
AND SOCIETAL IMPACT**
Dr M Qhobela
PhD (KSU)



**VICE-RECTOR:
ACADEMIC**
Dr EL van Staden
DPhil (UJ)



**VICE-RECTOR:
RESEARCH AND
INTERNATIONALISATION**
Prof RC Witthuhn
PhD (UFS)



**EXECUTIVE DIRECTOR:
STUDENT AFFAIRS**
Mr T Hlasho
MPhil (NMU)



REGISTRAR:
Mr NN Ntsababa
MPA (NMU)



**CAMPUS PRINCIPAL:
QWAQWA CAMPUS**
Dr M Mandew
PhD (UN)



**PRESIDENT OF
CONVOCATION**
Dr PD du Toit
PhD (UFS)



**PRESIDENT:
INSTITUTIONAL STUDENT
REPRESENTATIVE COUNCIL**
Ledile Tshepang Bambo

DEANS



**DEAN:
ECONOMIC AND
MANAGEMENT SCIENCES**

Prof P Burger
PhD in Economics (UFS)



**DEAN:
EDUCATION**

Prof LC Jita
PhD (MSU)



**DEAN:
HEALTH SCIENCES**

Prof GJ van Zyl
PhD (UFS)



**DEAN:
THE HUMANITIES**

Prof H Hudson
PhD (UFS)



**DEAN:
LAW**

Prof JC Mubangizi
LLD (UDW)



**DEAN:
NATURAL AND
AGRICULTURAL SCIENCES**

Prof PD Vermeulen
PhD (UFS)



**DEAN:
THEOLOGY AND RELIGION**

Prof RS Letšosa
PhD (PU/CHE)

GUEST SPEAKER

DR PIETER DU TOIT



Dr Petrus Daniel (Pieter) du Toit was born in East London and matriculated in 1986 at the Hoërskool Grens. After completing a BSc degree, he continued with postgraduate studies in medical physics and started his career in the Department of Medical Physics at the University of the Free State in 1992. He left the department to pursue opportunities in the private medical sector and business world in May 2000. At the time, he was the only full-time medical physicist in the country in the private sector. Dr

Du Toit completed a PhD investigating physical factors influencing the quantitative assessment of positron emission tomography/computed tomography (PET/CT) images. He also obtained an MBA degree from the UFS Business School.

He performs consultancy for radiation protection and was involved in the design and evaluation of many of the nuclear medicine and PET/CT facilities in South Africa as well as the PET Labs cyclotron facility in Pretoria. He is the consultant medical physicist at the prostate cancer brachytherapy group in the Free State and Northern Cape.

Dr Du Toit has been an external examiner for master's dissertations and one PhD thesis, and act as external assessor for medical physics interns in South Africa. He has co-authored seven articles or case studies in recognised peer-reviewed journals, has co-authored or presented twenty-five papers at national conferences, and three papers at international conferences.

He has served as director of various companies and had been on the executives of various associations. These include President of the South African Association of Physicists in Medicine and Biology (SAAPMB), Chairman of the South African Medical Physics Society (SAMPS), and member of the council of the South African Society of Nuclear Medicine (SASNM). At Kopsies, Dr Du Toit has been the Chairman of the alumni society since 2011. He was elected President of the Convocation of the UFS in February 2020 and has since then served on the UFS Council.



DEAN |

PROF GJ VAN ZYL

SCHOOL OF CLINICAL MEDICINE

BACHELOR'S DEGREES

BACHELOR OF MEDICINE AND BACHELOR OF SURGERY

ABRAHAMSON, Anthony Grant
ACHO, Petra-Marie Achou
ANJUM, Taha
ANVARI, Anre Anise
ARBEE, Azmia
ARENDSE, Faybian
BALOYI, Wisani
BEETHA, Karabo Kyle
BESSINGER, Lindy
BEZUIDENHOUT, Wynand
Coenraad Jacobus
BIERMAN, Lourens Jacobus
BOSMAN, Allison Angelique
BUHRMANN, Johannes Rudolph
BUTHELEZI, Zanele Noxolo
CHEPAPE, Christine Orapeleng
COETZEE, Lané
COETZEE, Leshke
CRONJE, Diter
CROUCH, Eulin Cuton
CUMMINGS, Jade Robyn
CWELE, Sinesipho

DE KLERK, Carla*
DE KLERK, Hilary
DE VRIES, Elizabeth Grace*
DE WAAL, Timon
DELPORT, Talia
DEMAS, Jarryd Scott
DLAMINIE, Anthony
DU PLESSIS, Micarla*
DUVENHAGE, Carmia
FINLAY, Dylan Alvin*
GOVENDER, Deveshnee
GROBBELAAR, Amalia Leonora
GXOLO, Ingar
HAMID, Mavra
HLOTSHANA, Licham
JALI, Meleza Talita
JHETAM, Taskeen
JOMON, Kiran Luke
JONAS, Kagisho Peace
JONKER, Chrisnaline
KINGIELA, Karen Nyota
KLEYNHANS, Elizabeth Magritha
KRUGER, Kurt Bruno Herman
KUMALO, Nomsa Betty
LAMPRECHT, Arno
LETSOALO, Charmaine Mankwe
LEWIS, Cameron Marc*
LOMBAARD, Johannes Francois
MAGOOA, Kgaladi Mokgohloe
MAGUGU, Samkelisiwe
MAHLABA, Reitumetse

Mmasetjhaba
MAHLANGENI, Lingomso-
Liqaqambile
MAKGAMATHA, Kolobe Prudence
MAKHABA, Thabelo Obed
MAKORO, Grace Lerato
MAKWAKWA, Vunwe Norma
MALEJOANE, Teboho Mpho
MALIMBA, Zininzi Zinzie
MAMABOLO, Maphuti
MANAMATHELA, Pheello Alphons
MANYERUKE, Laura Tsitsi
MASANGO, Siphosomusa Andrew
MATHIBE, Itumeleng Bokang
MEMELA, Mondli Siyanda
MITCHELL, Keitlin Chandre
MOETI, Motebang
MOHAPI, Retshidisitswe Connie
MOHLAHLA, Kamogelo Kathijah
MOHOLO, Melaetsa
MOKHONOANA, Tumelo
MOKOENA, Nkheseng Tracy
MOLETSANE, Onthatile Boitshoko
MOOLMAN, Carike*
MOOSA, Amina Bibi
MOSIDI, Keaobaka Boniswa
MOSTERT, Mikayla*
NDOVE, Palesa Treasure
NETSHIMBUPFE, Nnditsheni
NETSIANDA, Ndivhuho
NGQULU, Samkelo



NHLAPO, Lungile
NKABINDE, Sipho Sekhwenyane
NKGAHLE, Pule Jonas
NKOANE, Mpho Brendan
NOMATYINDYO, Athandile Usisipho
OLIVIER, Tiaan
PATEL, Asad
PATEL, Bilaal
PIENAAR, Lauriska
PIEST, Brittany Nicole
PLAATJIES, Kirsten Ann
PRETORIUS, Charl Stephanus
PRETORIUS, Noelle
PRINS, Judah
RAMPETA, Ramabole
RAPAPA, Tlalane
RATHABA, Relebohile Rearabetswe
SALEEM, Ahmad Khayam
SCHEEPERS, Dewald
SEBOLAI, Maleho Abednego
SECONDS, Lakin Sadie
SEEDAT, Abdullah
SEHAPI, Kamohelo Lesedi
SIBISI, Siphesihle Ntobeko
SLABBERT, Michael
STANDER, Anine
SYED, Zaakira
TALJAARD, Twane
TOKWE, Inga Zubenathi
TSHABALALA, Dintle Dimpo

TSHIKARE, Katlego
TSHIMBIDI, Nadia Tshilanda
TSOEUEAMAKWA, Tshepo Daniel
UYS, Somey
VAN HEERDEN, Arné Johan
VAN WYK, Ruben Bernardus*
VAVANE, Gradwell Zilindile
VENTER, Carlia*
VENTER, Rèse
VORSTER, Emile
VOSLOO, Christiaan Leon*
WATKINS, Calvin Matthew
WILLIAMS, Denika
WILLIS, Maxine Lechelle
WILSON, Linley Arthur

BACHELOR OF MEDICAL SCIENCE WITH SPECIALISATION IN RADIATION SCIENCES

HATTINGH, Paul*
NTUTUKA, Ntuthuko Lona
PRETORIUS, Izak Stefanus

SCHOOL OF HEALTH AND REHABILITATION SCIENCES

BACHELOR'S DEGREES

BACHELOR OF BIOKINETICS

BARNARD, Bianca
COETZEE, Lize-Mari

ESTERHUYSE, Rohanne
GOUWS, Simoné
HAMER, John William
PETTERSON, Chévaughn
SWIEGERS, Marna
VAN DER MERWE, Wilmi
VERSTER, Robynne
VILJOEN, Mizan
WIESE, Jani

BACHELOR OF OCCUPATIONAL THERAPY

BEZUIDENHOUT, Marli
BIELDT, Sumari*
BORNMAN, Janda
CLOETE, Christi-Mari
COETZEE, Micaela
CRONJE, Mia
DE JAGER, Hélè
DE WET, Marisa
DU PLESSIS, Ans-Cilé
ELLIS, Veronica
ELS, Chanmari
ERASMUS, Anisa
GAIT, Jaimee Deane
GEERKENS, Maria Elizabeth
HARTSLIEF, Amber
KELLERMAN, Salome*
KLUT, Nina
KOEKEMOER, Melindi
KRUGER, Elané



LODEWYK, Angelique

LÖTTER, Chantell

LUCAS, Cara

MARITZ, Mariëlle

MILEMAN, Megan Rae

OELOFSE, Chané

OESTERLE, Kayla

RAUTENBACH, Dorathea
Wilhelmina

ROOS, Mikha

SLABBERT, Ziné Hermina

STRATON, Hannah Rose

VAN DEN HEEVER, Iselle

VAN DER MERWE, Nienke

VAN DYK, Leah

VAN EEDEN, Kayla Nicole

VAN WYK, Hanté

WILMANS, Mikayla

BACHELOR OF OPTOMETRY

ANNANDALE, Alrine

AZEVEDO, Antonio Fernandes

BELL, Shannah Leigh

DELPORT, Jean-Pierre

EHLERS, Karen

HART, Larissa

JONKER, Deirdre

KGATWE, Milicent Dineo

KRUGER, Martelize

KÜHN, Cornelius Johannes
Jacobus

LIDIDI, Palesa Violet

MARAIS, Irene

MARÉ, Ignace

MKUHLU, Ahlumile Anda

MORAPPEL, Keitumetse Sharon

NDABA, Tandokazi

NUGENT, Bernadine

PRETORIUS, Jehan

RADEMEYER, Paul Louw

SIAGA, Ndamulelo Ngaarendwe

TERBLANCHE, Rinet

VAWDA, Sabiha

VENTER, Jané

VIVIERS, Marichen Louise

BACHELOR OF SCIENCE IN DIETETICS

BLOKPOEL, Nikita

HAMILTON, Bianca

JANSE-VAN RENSBURG,
Elzahnè

KELLY, Carla

LAMPRECHT, Simoné

LYONS, Marelda-Leigh Claire

MTHETHWA, Lungile Lumka
Vanessa Palesa

OLIVIER, Marné

PELZER, Michelle

SMITH, Arnel

SPAARGAREN, Adelé

STEENKAMP, Gerhard Jacobus

VAN DER MERWE, Carla

WESSELS, Margaretha Alberta

BACHELOR OF SCIENCE IN PHYSIOTHERAPY

ADENDORFF, Casey

BOGGETT, Teagan Joan

BRONN, Inge Hestha

CLARK, Mandi

COETZEE, Marchant

DE KOCK, Ester

DE KOCK, Nadia

FOURIE, Cecilia

GOOLD, Samantha Janet

HETZEL, Nelise*

JACOBS, Tiffany

LEENAERTS, Tamryn

LESSING, Helene

MARAIS, Hielde

MERRICK, Charné

MSIBI, Simphiwe

NIEUWOUDT, Anjé

PFEIFFER, Peter

PRETORIUS, Elismi

RAHMAN, Nazneen Begum

RETIEF, Bianca

REYNEKE, Mariska

RUSHTON, Bernice Sarah

SCHOEMAN, Lehandré

SCHOLTZ, Rojeane

SENSKE, Beate

SIXOTO, Anele Nikita

SMUTS, Mariné

SNIJMAN, Magaretha Johanna



SNYMAN, Elriette
SOMERS, Chanté
STANDER, Joanna
TAYLOR, Jenna Danielle
TENNENT, Tegan
VAN DER WALT, Chamoné
VENTER, Fiona
WILLEMSE, Bernice

BACHELOR OF SPORT COACHING

HATTINGH, Johannes Nicholas
KOTZÉ, Alexander
VISAGIE, Christa
VOSLOO, Lodewicus Jacobus

SCHOOL OF NURSING

BACHELOR'S DEGREES

BACHELOR OF SOCIAL SCIENCES IN NURSING

BARNARD, Lize-Mari
BASSON, Shirmenay Shandry
BLESOVSKY, Brittany Anne
BOSMAN, Anje
BURGERS, Kaye
CILLIERS, Mart-Mari
CORBETT, Anchen
DE JAGER, Herlina Christina
DE KOCK, Simónn
DE WAAL, Kristen*

DLAMINI, Swelihle Zamangwane
Nomaswazi

DOOMS, Happiness Mapule

ELLIS, Rachelle Keren

ERWEE, Huné Esmari

FAULHAMMER, Anja Corlia*

FOURIE, Christelle

GAMEDE, Tshepang

GEEL, Lorraine

GRANT, Hannah Caitlin

HITZEROTH, Shanique
Selmadene

HLAKA, Mamoloma Alfred

KELLERMANN, Robyn

KHONTO, Maletsatsi

KITCHEN, Amber Valerie

KOHLI, Lutho Sonwabise

LEEUEW, Resego

LEKITLANE, Tsoakae Pontsho

LESOETSA, Mpho Michael

LETSOALO, Lehakoe

LOMBARD, Jani

LOTTERING, Megan Jane

MABUNDA, Bonginkosi Y2k

MAFU, Lutho

MAGAGULA, Lerato

MAHLABA, Mamphuthi Aletta

MAHLATHI, Zanda Zisisipho

MAKHATHA, Nthabiseng Veronica

MALEKA, Rethabile Constance

MALULEKE, Nyiko

MATHEBULA, Nontobeko

MATSIETSI, Kebontsitsoe Flora

MATSOARA, Langa Thomas

MATYENI, Palesa

MAZIBUKO, Nondumiso Buyisile

MBELEKANE, Princess Thato

MNGUNI, Jabulane Romeo Gift

MOADIRA, Gloria Galaletsang

MOFOKENG, Puleng Euginiah

MOLISHIWA, Koketso Monica

MONONGA, Kenosi Confidence

MOSEME, Mathapelo Fredah

MOTHAE, Karabo Innocent

NAKAONGA, Naomi Mukuka
Sokoni

NHLANHLA, Sinothando
Sinenhlanhla

NKOSI, Sinenhlanhla Ennoccenia*

NXAWWE, Sesethu

OOSTHUIZEN, Bianca

PEDRO, Robyn

PEENS, Nienke Elodie

PEPLER, Willemien*

PIENAAR, Christel Mari

POMPE, Tebogo Samuel

PRETORIUS, Natasha

RANTOA, Lerato Selina

SELEPE, Lebohang Peggy

SPENCER, Siyasanga Suthukazi

TABA, Limpho Calphinia

TANYANE, Malefane Benjamin

THEKISO, Kelebohile Prudence*

TLADI, Freeze

TROSKIE, Dené



VAN AARDT, Lisa
VAN EEDEN, Sunel
VAN WYK, Desiree*
VENTER, Chantal
WESTRAADT, Ane
ZWANE, Inhle Precious
ZWANE, Mpumelelo Jenifer

SCHOOL OF CLINICAL MEDICINE

POSTGRADUATE DIPLOMA'S

POSTGRADUATE DIPLOMA IN MEDICAL PHYSICS

JOUBERT, Maria Magdalena*

MASTER'S DEGREES

MASTER OF MEDICINE IN ANAESTHESIOLOGY

DE MAN, Leoni
VAN HEERDEN, Gerrit Johannes

MASTER OF MEDICINE IN FAMILY MEDICINE

SMIT, Selma

MASTER OF MEDICINE IN OBSTETRICS AND GYNAECOLOGY

MDUNGE, Sifiso Bongumusa
MONGALO, Klaas Nakedi

MASTER OF MEDICINE IN OPHTHALMOLOGY

BOTES, David Hermanus
MOKONE, Thangwane Malebo

MASTER OF MEDICINE IN ORTHOPAEDIC SURGERY

BOTHA, Bryan Ash
UHUEBOR, David Itua

MASTER OF MEDICINE IN OTORHINOLARYNGOLOGY

SIBEKO, Samukelisiwe Rejoice

MASTER OF MEDICINE IN PAEDIATRICS

BUANKUNA, Mbaya
HONGER, Kate Isabella
JENKINS, Stacy-Lee Arlette
MABUSA, Ramadimetja Tebatjo
RAMBAU, Livhuwani
VAN DEVENTER, Nadea Anél

MASTER OF MEDICINE IN PLASTIC SURGERY

BLAKE, Nikita*

MASTER OF MEDICINE IN RADIATION ONCOLOGY

MORPHIS, Andriani Katerina

MASTER OF MEDICINE IN SURGERY

ADAMS, John-Clint
MULDER, Wikus Wessel

SHABALALA, Ayanda Dennis
SOSIBO, Sijabulile Cassius

SCHOOL OF PATHOLOGY

MASTER'S DEGREES

MASTER OF MEDICINE IN ANATOMICAL PATHOLOGY

MORRISON, Ella Maria

MASTER OF MEDICAL SCIENCE WITH SPECIALISATION IN HAEMATOLOGY AND CELL BIOLOGY

GROVÉ, Jenna-Marié Risna*

Dissertation Title:
OPTIMIZATION OF AN HRM
SCREENING METHOD
AND DETECTION OF
TP53 GENE VARIANTS
IN HAEMATOLOGICAL
MALIGNANCIES IN A CENTRAL
SOUTH AFRICAN POPULATION

Supervisor: Dr A de Kock

Co-Supervisor: Mr JF Kloppers &
Dr AC van Marle

MASTER OF MEDICAL SCIENCE WITH SPECIALISATION IN MEDICAL MICROBIOLOGY

DINGISWAYO, Likhona

Dissertation Title:
HYPERVIRULANT KLEBSIELLA
PNEUMONIAE IN A TERTIARY
HOSPITAL - CLINICAL,



VIRULENCE AND MOLECULAR
PERSPECTIVES

Supervisor: Dr J Musoke

Co-Supervisor: Dr E Arko-
Cobbah

VAN HEERDEN, Nina

Dissertation Title: ASSOCIATION
OF INSERTION SEQUENCES
AND CARBAPENEMASE
GENES IN ACINETOBACTER
BAUMANNII ISOLATES FROM
PATIENTS IN UNIVERSITAS
AND PELONOMI HOSPITALS,
BLOEMFONTEIN

Supervisor: Mrs A van Der Spoel
van Dijk

SCHOOL OF HEALTH AND REHABILITATION SCIENCES

MASTER'S DEGREES

MASTER OF SCIENCE IN DIETETICS

BARNARD, Philippa Claire

Dissertation Title:
INSTRUMENTS MEASURING
AFFORDABILITY OF A HEALTHY
DIET AND THE APPLICATION
TO THE SOUTH AFRICAN
CONTEXT: A SCOPING REVIEW

Supervisor: Prof VL Van Den
Berg

DU PLOOY, Michelle Ann

Dissertation Title: ADVERSE
GLYCAEMIC EVENTS IN

PATIENTS WITH TYPE 2
DIABETES MELLITUS ON
INSULIN

Supervisor: Dr NML Meko

Co-Supervisor: Prof CM Walsh

SWART, Sunette

Dissertation Title: WEIGHT
REGAIN FOLLOWING
BARIATRIC ROUX-EN-Y
GASTRIC BYPASS OR SLEEVE
GASTRECTOMY IN A SOUTH
AFRICAN SETTING

Supervisor: Mrs HC Spies

Co-Supervisor: Prof VL Van Den
Berg

VAN DER MERWE, Mariska

Dissertation Title: SOUTH
AFRICAN DIETICIANS'
PERSPECTIVES ON USE OF
FLASH GLUCOSE MONITORING
IN PATIENTS WITH TYPE 1
DIABETES MELLITUS

Supervisor: Dr WC du Toit

Co-Supervisor: Dr U Hallbauer

MASTER OF SCIENCE IN PHYSIOTHERAPY

WELMAN, Jané

Dissertation Title:
KNOWLEDGE, ATTITUDES
AND PRACTICE OF SOUTH
AFRICAN PHYSIOTHERAPISTS
REGARDING THE
MANAGEMENT OF
GYNAECOLOGICAL CANCER
SURVIVORS

Supervisor: Dr RY Barnes

Co-Supervisor: Dr A van der
Merwe

SCHOOL OF NURSING

MASTER'S DEGREES

MASTER OF NURSING

BESTER, Lizelle

Dissertation Title:
DEVELOPMENT OF AN
INSTRUMENT TO MEASURE
THE COMPETENCE OF
RESPECTFUL MATERNITY
CARE

Supervisor: Dr L Hugo-van Dyk

Co-Supervisor: Dr EE Bekker

FOURIE, Cecile

Dissertation Title:
AUTHENTICITY OF MOULAGE
FOR A BURNS SIMULATION
ACTIVITY AS MEASURED BY
THE MOULAGE AUTHENTICITY
RATING SCALE

Supervisor: Prof Y Botma

MOLOI, Bertha Thandi

Dissertation Title: NURSING
STUDENTS' PERCEPTIONS ON
THE USE OF SOCIAL MEDIA
IN THE CLINICAL LEARNING
ENVIRONMENT

Supervisor: Dr L Hugo-van Dyk

Co-Supervisor: Mrs MR Mpeli



NIEUWOUDT, Maria Elizabeth*

Dissertation Title: REGISTERED NURSES' LIVED EXPERIENCES OF BEING EMPLOYED AT A PRIVATE HOSPITAL

Supervisor: Dr DE van Jaarsveldt

Co-Supervisor: Mrs A Welman

SETLOGELO, Matladi Boitumelo*

Dissertation Title: NON-COGNITIVE ATTRIBUTES OF UNDERGRADUATE NURSING STUDENTS AT THE UNIVERSITY OF THE FREE STATE: A BASELINE ASSESSMENT

Supervisor: Dr CN Nyoni

SCHOOL OF CLINICAL MEDICINE

DOCTORAL DEGREES

DOCTOR OF PHILOSOPHY WITH SPECIALISATION IN COMMUNITY HEALTH

MALAKOANE, Benjamin

Benjamin Malakoane was born in Kroonstad in 1963, matriculated at Kananelo High School in 1982, obtained an MBChB degree from MEDUNSA in 1990, and practiced as a medical practitioner from 1993. In 1998, he obtained a Master of Family Medicine from the UFS. In 2004, he became MEC of Economic and Environmental Affairs, and in 2013, MEC of Health. He became MEC of Small Business Development, Tourism and Environmental Affairs and MEC of Agriculture in 2016 and 2018, respectively. His research to develop the HSGA model to improve whole-system performance in the Free State public health sector started in 2015.

With his thesis titled, **THE HEALTH SYSTEM GOVERNANCE AND ACCOUNTABILITY MODEL FOR HEALTH SERVICE INTEGRATION AND PERFORMANCE IMPROVEMENT IN THE FREE STATE PROVINCE**, the candidate contributes to health systems research. He describes the development, implementation and evaluation of the Health Systems Governance and Accountability intervention [HSGA] model, based on the six building blocks of effective health systems of the WHO. From a situation appraisal, he identified the fragmentation of services, among other challenges. The Normalisation Process Theory and Concomitant Balance Score Card Performance-Monitoring Tool Usage facilitated the development and implementation of a system-wide HSGA intervention to address fragmentation and bring about health system strengthening and formalisation of the HSGA into official policy. The HSGA intervention contributed to progressive improvement in leadership/management in the Free State public health sector. Successful intervention implementation hinges on engaging all role players, identifying key leaders at each level of care, applying appropriate theory and continued evaluation and feedback.

Supervisor: Prof JC Heunis

Co-Supervisor: Prof WH Kruger, Dr P Chikobvu & Dr NG Kigozi

DOCTOR OF PHILOSOPHY WITH SPECIALISATION IN MEDICAL PHYSICS

STRAUSS, Lourens Jochemus

Lourens Strauss was born in Pretoria in 1987. He grew up in Bloemfontein and matriculated under the top 100 candidates in the Free State in 2005 and continued his tertiary education in Medical Physics at the University of the Free State. He obtained



his BMedSc degree as the top student in his class and completed both an honours degree and a postgraduate diploma in Medical Physics by 2011. He also attained his master's degree at the UFS by 2015. He has been contributing clinically as Medical Physicist at the Oncology department at Universitas Hospital for over 10 years.

With his thesis titled, **VIRTUAL DOSIMETRY: AN INTEGRATED TREATMENT VERIFICATION SOLUTION FOR RADIO-THERAPY**, the candidate makes a high impact contribution to individualized cancer treatment allowing automated, rapid verification and quality assurance in radiation therapy. His contribution is twofold: a cost-effective workload reduction solution for treatment verification, and improved, continuous quality assurance leading to increased quality and safety for patients receiving complex treatments. This research established and fully validated a virtual, computer-driven application utilizing treatment machine data to assess treatment accuracy in an automated fashion, complete with technical analysis of all possible pitfalls. It contributes considerably to a topic that has received much international attention, with clinical impact. The benefits investigated and validated in his study have not come to fruition on an international stage. This contribution addresses many of the challenges hindering personalised treatment advances in cancer care.

Supervisor: Dr W Shaw

DOCTOR OF PHILOSOPHY WITH SPECIALISATION IN PAEDIATRICS

OGAH, Adenike Oluwakemi

Adenike Oluwakemi Ogah was born in Ikeja, Lagos city, Nigeria. She obtained her medical degree in 1992 at the University of Ibadan, Nigeria, and a Master's in Medicine (Equivalent) in Paediatrics and Child Health at the University of Jos, Nigeria in 2004, and a Master's in Public Health in 2010 at the Kampala International University, Uganda. In 2016, she obtained a PhD in Health Professions Education at the UFS. She is also a Fellow of SAFRI (2012) and has received both academic and research awards. Currently, she works at the University of Zambia/University Teaching Hospital-Children as Lecturer, Consultant Paediatrician and Department Postgraduate Training Coordinator.

With her thesis titled, **GROWTH AND GROWTH FALTERING IN A BIRTH COHORT IN RURAL RWANDA: A LONGITUDINAL STUDY**, the candidate contributes to the field of growth and growth failure of infants born in a remote village in Rwanda, in the first nine months of their lives. In this study, 529 healthy mother-infant pairs were sequentially recruited. Their growth was monitored at six routine immunisations follow-up clinic visits. The NICE increment weight indicator performed better than the weight-for-length in detecting growth faltering early. Infrequent feeding, lack of safe water, delay in commencing first breast-feed, male gender, exposure to herbs, alcohol, tobacco, and the availability of charcoal were significantly associated with infant growth faltering at each visit and on each growth indicator. This thesis provides a wealth of information on the growth and growth faltering of infants in rural Africa, how to best identify growth failure early and start prompt appropriate interventions.

Supervisor: Prof A Venter

Co-Supervisor: Prof CM Walsh

PIENAAR, Michael Alexander

Michael Pienaar was born on 1 July 1987 in Bloemfontein. He matriculated from St Andrew's School and later obtained his MBChB degree from the University of the Free State in 2010, winning the Medical Society of South Africa award for best final year medical student and the Paul Fischer Medal for Paediatrics. He became a fellow of the College of Paediatricians (SA) in 2017. He obtained his MMed degree in 2018 from the University of the Free State. He practices as a specialist paediatrician and has been the clinical lead in the PICU at Pelonomi Tertiary Hospital since 2019.

With his thesis entitled, **THE DEVELOPMENT AND VALIDATION OF PREDICTIVE MODELS FOR PAEDIATRIC CRITICAL ILLNESS IN CHILDREN IN CENTRAL SOUTH AFRICA USING ARTIFICIAL NEURAL NETWORKS**, the candidate contributes to scholarship in Paediatrics and Child health, focussing on the implementation of artificial neural network models in the



identification of critically ill children. Combining a systematic literature search and Delphi technique with clinical data from 1032 participants, this research has led to significant progress towards implementable models for community health workers in clinical practice. While artificial neural network models did not demonstrate superiority over logistic regression or extreme gradient boosting, all developed models accurately identify critically ill children using simple clinical data. In addition to this, techniques to elicit and integrate clinical domain knowledge and techniques to develop and evaluate models in the context of their clinical application were developed and refined.

Supervisor: Prof SC Brown

Co-Supervisor: Prof N Luwes & Dr EC George

DOCTOR OF PHILOSOPHY WITH SPECIALISATION IN PHARMACOLOGY

PRETORIUS, Erna

Dr Erna Pretorius was born on 1 February 1983 in Pretoria. She matriculated at the Christelike en Nasionale Meisieskool Oranje in 2001 finishing in the Top 50 matriculants in the Free State. She obtained an MBChB degree from the University of the Free State in 2006, obtained a Fellowship of the College of Neurologists of South Africa in 2013 and MMed degree in Neurology from the University of the Free State in 2014. She is currently a neurologist in private practice in Bloemfontein.

With her thesis titled, **BLEEDING PARAMETERS, VALPROIC ACID FREE FRACTION MEASUREMENTS AND CARNITINE LEVELS IN ADULTS ON LONG-TERM TREATMENT WITH VALPROIC ACID OR ITS DERIVATIVES**, the candidate make a valuable contribution to therapeutic drug monitoring of valproic acid. In a population of 101 adult patients on valproic acid, she demonstrated the relationship between valproic acid free concentrations and total concentrations, as well as the relationship between these parameters and quantitative and qualitative platelet dysfunction. Against the background of a high incidence of hypocarnitinaemia, affecting plasma albumin binding, she developed a formula for calculating free valproic acid concentration from total valproic acid concentration with greater accuracy than any previously published formula. Her work expands the utility of currently available therapeutic drug monitoring of valproic acid to predict the risk of sub-clinical deviations of bleeding parameters.

Supervisor: Prof PM van Zyl

Co-Supervisor: Prof SM Meiring

DOCTOR OF PHILOSOPHY WITH SPECIALISATION IN RADIOGRAPHIC SCIENCES

MULLER, Henra

Henra Muller (née Malan) was born on 1 September 1976, in Hoopstad. She matriculated at Bultfontein High School in 1994. At the Central University of Technology, Free State, she obtained a National Diploma (Diagnostic Radiography) in 1998, Baccalaureus Technologiae in 2000, and a master's degree in 2015. She obtained a European Federation of Radiographer Societies Diploma in Medical Imaging in Vienna, Austria, in 2019. She started her career in the Department of Diagnostic Radiology, Universitas Academic Hospital in 1998 and worked as chief radiographer and radiation control officer until early 2017. She is a Lecturer in the Department of Clinical Sciences at the Central University of Technology since 2017.

With her thesis, titled, **IMAGE QUALITY THRESHOLD VALUES FOR COMPUTED TOMOGRAPHY IN INTERNAL CRANIAL PROSTHESES DESIGN AND MANUFACTURING**, the candidate makes a valuable contribution to the understanding of the role of computed tomography (CT) image quality for the reconstruction of facial deformities. She designed a first-of-its-kind Qualitative Measurement Rubric to assess the image quality of stereolithography files derived from patients' CT DICOM files. After assessing the image quality of the files, she innovatively applied this information by scanning a Catphan® phantom to generate a population of comparable uniform files. The image quality of the Catphan files was then assessed quantitatively



with Smári software to identify potential CT parameter settings. Testing the potential CT parameter settings on an anthropomorphic phantom was confirmed on a dry human skull. These optimised and tested CT parameter settings will promote manufacturing of more accurate prostheses to improve patients' functional and aesthetic outcomes.

Supervisor: Prof J Janse van Rensburg

Co-Supervisor: Prof A Fossey

DIVISION OF HEALTH SCIENCES EDUCATION

DOCTORAL DEGREES

DOCTOR OF PHILOSOPHY IN HEALTH PROFESSIONS EDUCATION

DE LA REY, Ansunel

Ansunel de la Rey was born in Johannesburg, where she matriculated from Hoërskool Florida in 1992. She holds a B Optometry degree (1996) from RAU and a Master's in Optometry (Cum Laude) from UJ, obtained in 2013. She practiced until 1999, when she started her career as a lecturer at the former TWR, and has been a full-time lecturer in the Department of Optometry (UJ) where she teaches Paediatric Optometry. She obtained the Certificate of Advanced Studies in Visual Science and Public Health (2000), Biological Science and Clinical Medicine (2001), Ocular Diagnostics and Therapeutic Application (2002) and a Certificate of Advanced Studies in Therapeutic Pharmaceutical Agents in 2005 through New England College of Optometry.

With her thesis, titled: **VISUAL DEMANDS OF DIGITAL MOBILE DEVICES ON CHILDREN: DESIGNING A PAEDIATRIC OPTOMETRY TEACHING AND LEARNING FRAMEWORK**, the candidate makes a valuable contribution to the body of knowledge of Optometric Education. The candidate investigated the visual demands that different digital devices have on children and designed a framework to enhance the teaching and learning of paediatric optometry in higher education. By following a design-based approach, data was collected from experts in the optometric and education fields, learners using digital devices, as well as parents of these learners. The empirical data collected was analysed to establish underpinning principles for developing and validating a teaching and learning framework for undergraduate optometry students. The framework contributes to optometric education and will prepare undergraduate students to assess and manage the visual systems of young school learners who use digital mobile devices. Notably, the findings make a valuable contribution to the body of knowledge of Optometric education and will be presented at conferences and in publications.

Supervisor: Dr M Jacobs

Co-Supervisor: Dr M Oberholzer

JOUBERT, Sunette

Sunette Joubert obtained the degrees, MBChB with distinction in 1998 and MMed (Internal Medicine) in 2004 at the University of the Free State. She started her career at the Department of Internal Medicine, University of the Free State in 2004. In 2009, she was appointed Clinical Head of the Department of Internal Medicine at Kimberley Hospital Complex, and became the Medical Director of the hospital in 2013. Currently, she practices as a Specialist Physician in Mossel Bay. She also assists with the training and assessment of undergraduate medical students on the rural platform at the Mossel Bay and George Provincial Hospitals.



With her thesis, titled, **DEVELOPMENT OF AN INTEGRATED MANAGEMENT FRAMEWORK FOR RURAL-BASED CLINICAL TRAINING OF UNDERGRADUATE MEDICAL STUDENTS IN SOUTH AFRICA**, the candidate contributes to rural medical education transformation in South Africa through the development of a management framework pertaining to value-added, feasible and sustainable clinical training of undergraduate medical students in rural settings in the country. The candidate employed a qualitative mixed-method research design that followed a pragmatic multi-level stakeholder approach. The proposed framework is a closed loop continuum that connects and aligns situational analysis and strategy formulation with project, financial, risk and quality management. The framework includes monitoring and auditing activities and cost-benefit analyses of the input of resources, and the output, outcomes, and impact of rural-based training programmes. Constant refinement, interlaced with feedback to the relevant stakeholders, will strengthen the ongoing feasibility and sustainability of clinical training programmes of undergraduate medical students in rural settings in South Africa.

Supervisor: Prof GJ van Zyl

Co-Supervisor: Prof VJ Louw

KEILLER, Lianne

Lianne Keiller was born in Cape Town, South Africa on 20 May 1981. She received her secondary education in Gqeberha, where she matriculated at Westering High School in 1999. She obtained the degree BSc Physiotherapy in 2005 at the University of the Western Cape, the degree MPhil Health Sciences Education in 2010 at Stellenbosch University, and the PhD in Health Professions Education in 2022 at the University of the Free State. She started her career as a Physiotherapist in 2006. In 2008, she was appointed at the University of Stellenbosch where she worked as a lecturer before moving into the field of academic development in 2012. At present, she is the Manager for Learning Technology Systems in the Academic IT department at the University of Stellenbosch.

With her thesis titled, **A MODEL FOR THE DESIGN AND DEVELOPMENT OF ONLINE HEALTH PROFESSIONS EDUCATION FACULTY DEVELOPMENT COURSES IN SUB-SAHARAN AFRICA**, the candidate contributes to online faculty development in health professions education. She is the first to use heuristic evaluation through multiple methods approach in developing a model for faculty development relevant to health professions educators in sub-Saharan Africa. Data were collected from the literature and experts globally, with the final phase of this work validated by experts in health professions education from eight sub-Saharan African countries. This engagement within the sub-Saharan African context positioned the study's findings firmly within the scientific discourse of faculty development for health professions education in Africa. In addition to the model developed, this work includes three articles, of which one has been published in a high impact international journal while the second article has been accepted, and the final article is under review.

Supervisor: Dr CN Nyoni

Co-Supervisor: Dr C van Wyk

ROWLAND, Mugsien

Mugsien Rowland was born 3 January 1974 in Cape Town. He matriculated in 1992 from Mondale High School in Mitchell's Plain. He joined the City of Cape Town traffic services and later studied to become a paramedic at Cape Peninsula University of Technology and graduated in 2006 with a National Diploma and went on to complete his bachelor's degree in 2011 and completed his master's degree in Health Professions Education at the UFS in 2016. His career in teaching paramedics started in Saudi Arabia in 2007 and has since been teaching doctors and paramedics in emergency medical care in many parts of the world.

With his thesis titled, **A FRAMEWORK FOR CRISIS RESOURCE MANAGEMENT IN EMERGENCY MEDICAL CARE EDUCATION IN SOUTH AFRICA**, the candidate contributes to the scholarship on learning and teaching of crew resource man-



agement in emergency medical care by focusing on how non-technical skills and crew resource management can reduce the incidence of clinical error and contribute to effective teamwork. This research is presented as an exploratory, multi-method research study. Data were gathered from paramedics, emergency medical educators and specialists in the field of aviation and emergency medicine to gain insight into and explain the importance of crew resource management, as paramedic training has so far mainly focused on individual proficiency. The study presents the argument that potentially catastrophic results can occur if teamwork fails; hence, the inclusion of crew resource management training in the undergraduate paramedic programme would improve patient safety and team performance.

Supervisor: Prof AO Adefuye

SCHOOL OF NURSING

DOCTORAL DEGREES

DOCTOR OF PHILOSOPHY IN NURSING

MOLISE, Nthabiseng Ann

Nthabiseng Ann Molise was born in Berea, Lesotho, in 1962. She is married to Dr RM Molise and has a son and late daughter. In 1979, Nthabiseng completed her Cambridge Overseas School Certificate at St Agnes High School. She obtained a Diploma in Nursing (1982), a Midwifery qualification (1984), and Bachelor of Nursing Education (1993) at the University of Botswana. She then obtained a Master's of Science (Nursing) from the University of Witwatersrand (2001). Mrs Molise served as a clinical nurse, educator, director, and national coordinator of an internationally funded collaborative nursing curriculum transformation project.

With her thesis titled, **A SOCIALLY CONSTRUCTED FRAMEWORK FOR CULTURALLY CONGRUENT NURSING CURRICULUM TRANSFORMATION**, the candidate made a significant contribution to Nursing Education by indicating how to overcome cultural barriers and harness cultural facilitators when implementing a competency-based curriculum. Through culturally sensitive research methods such as the Mmogo™ method and the KAWA model, the candidate investigated the similarities and differences between the traditional Basotho culture and the competency-based educational approach. The findings further show that nursing curriculum transformation is a systemic process and that nurse educators cannot do it on their own. Cultural barriers should be addressed through transformative processes, and cultural facilitators might be harnessed to facilitate curriculum transformation. The framework, nested in the transformative learning theory, shows the stakeholder interrelation with nursing education transformation and transformative learning. Two articles from the research have been published, while a third manuscript is under review.

Supervisor: Prof Y Botma

Co- Supervisor: Dr DE van Jaarsveld



VOW OF GRADUANDS IN MEDICINE

On receiving my degree in Medicine at the University of the Free State and my entrance to the medical profession, I commit myself to:

Dedicate myself to serve humanity;

Maintain the integrity and honourable traditions of my profession conscientiously and with dignity;

Strive for the meaningful preservation of human life from its beginning to its end;

Regard the promotion of the health of my patients as my primary duty;

Carefully protect all confidential information about my patients;

Conduct myself honourably towards colleagues at all times and

Promote the status of my university and to treat those who had taught me with respect and gratitude that they deserve.

GELOFTE VAN DIE GRADUANDI IN GENEESKUNDE

By ontvangs van my graad in Geneeskunde aan die Universiteit van die Vrystaat en by toetrede tot die geneeskundige beroep, verbind ek my plegtig om:

My aan die diens van die mensdom te wy;

Die integriteit en edele tradisies van my beroep pligsgetrou en met waardigheid te handhaaf;

Te strewe na die sinvolle behoud van menslike lewe van sy begin tot aan sy einde;

Die bevordering van die gesondheid van my pasiënte as my vernaamste plig te beskou;

Alle vertoulike inligting omtrent my pasiënte nougeset te bewaar;

My altyd op eerbare wyse teenoor kollegas te gedra en

Die aansien van my universiteit te bevorder en my leermeesters die respek en erkentlikheid wat hulle toekom, te bewys.

KANO YA BAITHUTI YA BONGAKA

Ha ke fumana lengolo la ka la Bongaka Yunivesithi ya Freistata mme ke kena pitsong ya Bongaka, ke ikana ka maikutlo ohle a ka:

Ho sebeletsa botho ka boitelo;

Ho boloka boleng le meetlo e hlomphehang ya mosebetsi wa ka, ka botshepehi le ka tlhompho;

Ho kgothalla ho boloka bophele ba motho ho tloha qalong ho fihlela qetellong ya bona;

Ho ananela ntlafatso ya bophelo ba bakudi ba ka e le mosebetsi wa ka wa mantlha;

Ho sireletsa ka hloko lesedi lohle la bakudi ba ka e le lekunutu;

Ho itlhompha pela basebetsimmoho ka dinako tsohle le;

Ho se dihe seriti sa Yunivesithi ya ka mme ke ise tlhompho le teboho e lokelang ho bohle ba nthutleng.



VOW OF GRADUANDS IN HEALTH AND REHABILITATION SCIENCES

On receiving my degree at the University of the Free State and my entrance to the profession, I hereby solemnly declare that:

I shall dedicate myself to serve humanity;

I shall maintain the integrity and honourable traditions of my profession conscientiously and with dignity;

I shall consider the promotion of the health of patients as my primary duty;

I shall carefully protect all confidential information regarding my patients;

I shall always conduct myself honourable towards colleagues at all times and

I shall continue to promote the status of my university and treat those who had taught me with respect and gratitude.

GELOFTE VAN GRADUANDI IN GESONDHEID EN REHABILITASIE WETENSKAPPE

By ontvangs van my graad aan die Universiteit van die Vrystaat en my toetrede tot die beroep, verklaar ek hiermee plegtig:

Dat ek my aan die diens van die mensdom sal wy;

Dat ek die integriteit en edele tradisies van my beroep pligsgetrou en met waardigheid sal handhaaf;

Dat ek bevordering van die gesondheid van my pasiënte as my vernaamste plig sal ag;

Dat ek die vertroulike inligting in verband met my pasiënte nougeset sal bewaar;

Dat ek my altyd op eerbare wyse teenoor kollegas sal gedra en

Dat ek die aansien van my universiteit steeds sal bevorder en diegene wat my onderrig het met eerbied en erkentlikheid sal bejeën.

KANO YA BAITHUTI SEKOLO SA MAHLALE A TLHABOLLE LE BOPHELO BO BOTLE

Kamohelong ya lengolo la ka la tsa Bophelo Bo Botle yunivesithi ya Freistata, ke ikana ka maikutlo ohle a ka hore:

Ke tla sebeletsa botho ka boitelo;

Ke tla boloka boleng le meetlo e hlomphehang ya mosebetsi wa ka, ka botshepehi le ka tlhompho;

Ke tla ananela ntlafatso ya bophelo ba bakudi ba ke e le mosebetsi wa ka wa mantlha;

Ke tla sireletsa ka hloko lesedi lohle la bakudi ba ka e le lekunutu;

Ke tla ithlompha pela basebetsimmoho ka dinako tsohle mme

Ke tla nne ke tswela pele ho ntlafatsa seriti sa yunivesithi ya ka, ho hlompha le ho leboha bohle ba nthutileng.



VOW OF GRADUANDS IN NURSING

PROMISE TO REMAIN TRUE TO THE VOCATION

BELOFTE TOT ROEPINGSGETROU

KE TSHEPISA HORE KE TLA DULA KE TSHEPAHALA MOSEBETSING WA KA

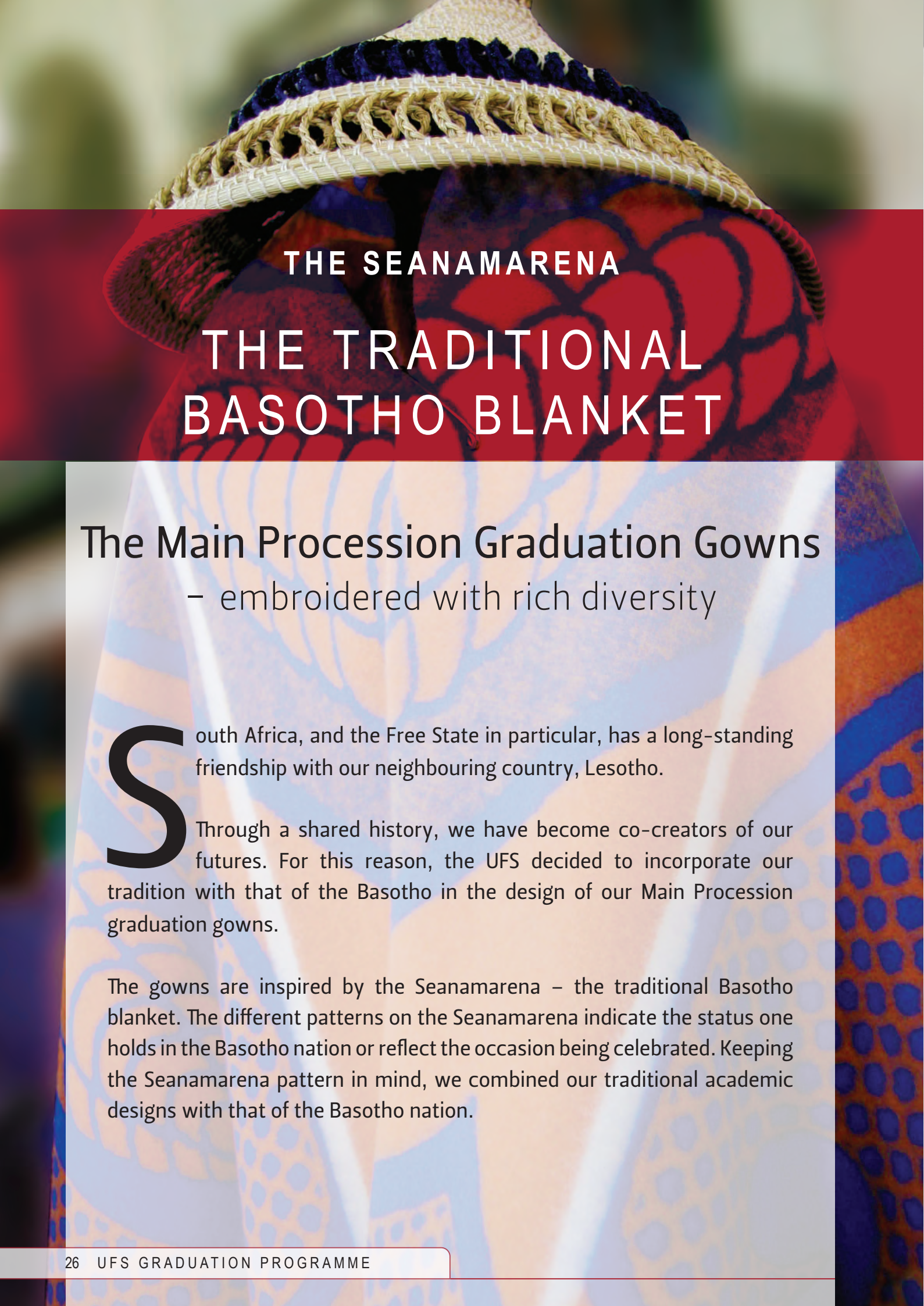
I solemnly pledge before God and all who are gathered here that I am convinced that the honourable profession which I am about to enter is a great privilege and lays a humbling responsibility in my hands.

Ek sal myself van alles wat skadelik en verkeerd is onthou, en sal nooit enige nadelige en bedwelmende middel neem, of dit doelbewus aan andere toedien nie.

Ke tla etsa sohle se matleng a ka ho boloka le ho phahamisa maemo a mosebetsi wa ka, mme ke tla boloka ka hohle-hohle e le lekunutu ditaba tsohle tsa botho le tsa lelapa tseo nka tshohang ke di hlokomela nakong ya ho phetha mosebetsi wa ka.

I see myself as the sounding-board for my patients in pain, dismay and fear, and therefore each of them is an individual to me with an own personality and needs. Each is an embodiment of the wonder of life, whom I want to acknowledge and protect in all modesty.

In the final instance I see my work as an expression of love, a love that includes all my fellow-humans - regardless of their race or religion or status. Thus I want to see my vocation as part of a divine truth: And now abide faith, hope, love, these three; but the greatest of these is love.



THE SEANAMARENA THE TRADITIONAL BASOTHO BLANKET

The Main Procession Graduation Gowns – embroidered with rich diversity

South Africa, and the Free State in particular, has a long-standing friendship with our neighbouring country, Lesotho.

Through a shared history, we have become co-creators of our futures. For this reason, the UFS decided to incorporate our tradition with that of the Basotho in the design of our Main Procession graduation gowns.

The gowns are inspired by the Seanamarena – the traditional Basotho blanket. The different patterns on the Seanamarena indicate the status one holds in the Basotho nation or reflect the occasion being celebrated. Keeping the Seanamarena pattern in mind, we combined our traditional academic designs with that of the Basotho nation.

YOKE PATTERNS



Yoke pattern for the Chancellor and Vice-Chancellor

This Seanamarena pattern is an interpretation of a design used exclusively for the king and chiefs – which means ‘to swear by the king’. This blanket has the highest status of all Basotho blankets.



Yoke pattern for the Chairperson of the Council

This Seanamarena Victorian crest motif appeared after the visit of the Prince of Wales to Lesotho in 1925, which made a profound impression on the local people. Customers refer to this blanket as ‘lesiba’ – meaning feathers – when buying it.



Yoke pattern for the Vice-Rector

This Seanamarena Poone design symbolises good crops, wealth, and fertility. The Poone is given as a present to honour an important visitor.



Yoke pattern for Registrar

The same Seanamarena Poone design used for the Vice-Rector applies to the Registrar, with some slight design and colour alterations.

The Deans wear gowns made in the colours of the faculties, or others which indicate the office they hold.



2022

#UFSAlumni #UFSGrad

CONGRATULATIONS CLASS OF 2022

Congratulations on your graduation! This officially makes you an alumnus of the University of the Free State. We are very proud of your achievements, excited to see what your future holds, and to connect with you in the bright future ahead of you!

KEEPING YOU INFORMED

Alumni are a real measure of a university's brand, and we strive to keep you informed of the latest news, campaigns, events, reunions, and projects emerging from the UFS. Stay connected by keeping an eye on our website, Facebook and LinkedIn pages, and email.

Through us, you are not just staying connected with the UFS, but also with other alumni. Let us connect you with alumni globally and reconnect with former peers.

KEEPING YOU CONNECTED

Not only do we want to keep you connected with what is happening at your alma mater, we want to keep on celebrating you too!

Make sure that you update your details every year in one of the following ways:

- Online at www.ufs.ac.za/alumni
- Email us at alumni@ufs.ac.za
- www.facebook.com/UFS.Alumni
- [www.linkedin.com/school u-f-s](https://www.linkedin.com/school/u-f-s)

Kindly ensure you include your full names, date of birth, cellphone number, and private email address when updating your details.

T: +27 51 401 9199 | E: alumni@ufs.ac.za | www.ufs.ac.za

*Inspiring excellence, transforming lives
through quality, impact, and care.*

VISION130
Renewal and Reimagination
for Greater Impact



UNIVERSITY OF THE
FREE STATE
UNIVERSITEIT VAN DIE
VRYSTAAT
YUNIVESITHI YA
FREISTATA
ALUMNI