

UNIVERSITEIT
iYUNIVESITHI
STELLENBOSCH
UNIVERSITY

100
1918 · 2018

Graduation

(Physical and Virtual)

29 March – 1 April

09:00 | 13:00 | 17:00

Gradeplegtighede

(Fisies en Virtueel)

29 Maart – 1 April

09:00 | 13:00 | 17:00

2021

Ons Visie 2040

Die Universiteit Stellenbosch sal Afrika se voorste navorsingsintensiewe universiteit wees wat wêreldwyd as uitnemend, inklusief en innoverend erken word en waar ons kennis tot diens van die samelewing bevorder.

Ons Missie

Die Universiteit Stellenbosch is 'n navorsingsintensiewe universiteit wat uitmuntende studente lok, talentvolle personeel aanstel en 'n wêreldklasomgewing bied; 'n plek wat met die wêreld verbind is en gemeenskappe plaaslik, op die vasteland en in die res van die wêreld verryk en transformeer.



Our Vision 2040

Stellenbosch University will be Africa's leading research-intensive university, globally recognised as excellent, inclusive and innovative, where we advance knowledge in service of society.

Our Mission

Stellenbosch University is a research-intensive university where we attract outstanding students, employ talented staff and provide a world-class environment; a place connected to the world, while enriching and transforming local, continental and global communities.



Umbonoweth ka2040

IYunivesithi yaseStellenbosch iya kuba yiyunivesithi egxininise kuphando nekhokeleyo eAfrika, neyamkelwa kwihlabathi lonke njengegqwesileyo, equkayo neyenza inguqulelo, nalapho siqhubela phambili ulwazi sikhonza uluntu.

Ubizo Lwethu

IYunivesithi yaseStellenbosch yiyunivesithi egxininise kuphando nalapho sitsala abafundi abagqwesileyo, siqesha abasebenzi abanesiphiwo kwaye sibonelela nemeko ekwinqanaba lehlabathi; indawo eqhagamshelene nehlabathi, ngelixa ichumisa kwaye iguqula uluntu lwengingqi, lwelizwekazi nolwehlabathi.



Oudregter | Justice Edwin Cameron
Kanselier | Chancellor

Beste lid van die Universiteit Stellenbosch-gemeenskap

Dit is vir my 'n besondere eer om as voorsitter van ons herfs-gradeplegtighede op te tree – sowel die aanlyn as fisiese geleentheid. Ek het nog altyd gebeure by my alma mater met groot belangstelling gevolg, en is dankbaar vir die geleentheid om in dié stadium van my lewe weer by Maties betrokke te wees en my ervaring met die volgende geslag te kan deel.

Met ons herfs-gradeplegtighede jaarliks voltrek ons die voorafgaande akademiese jaar. Toe ek aan die begin van 2020 die Kanseliersamp opgeneem het, het niemand natuurlik geweet wat vir ons voorlê nie. Wat 'n jaar was 2020 nie! Ek haal my hoed af vir die vasberadenheid en aanpasbaarheid waarmee jy die vreesaanjaende koronaviruspandemie en gepaardgaande uitdagings getrotseer het.

Die pandemie het ongelukkig ook sy tol geëis. My innige meegevoel aan almal wat weens die virus 'n geliefde verloor het of wie se lewe op 'n ander ingrypende manier deur die Covid-19-krisis geraak is.

Vandeesweek is ons uiters trots op al die grade, diplomas en sertifikate wat by hierdie plegtighede toegeken word. Dit getuig van die US se belangrike bydrae tot ons samelewing – des te meer in hierdie uitdagende tyd.

Ek spreek graag my respek, waardering en gelukwensing uit teenoor alle rolspelers – studente, dosente, studieleiers en promotors, steundienstpersoneel en die US-bestuur. Familielêde verdien spesiale vermelding, en so ook al die vriende, skenkers en borge wat ons graduandi enduit toegewyd en doelgerig help werk het om hul kwalifikasies te behaal.

Aan al ons nuwe graduandi: Ek hoop die vreugde en trots waarmee ons vandag jou prestasie vier, ontwikkel mettertyd in iets selfs kosbaarder – 'n verantwoordelikeheidsgevoel en pligsbesef. Jou nuwe status bied jou die geleentheid om die kennis, vaardighede en netwerke wat jy deur jy studie opgebou het te benut om ons land, vasteland en die res van die wêreld 'n beter plek vir almal te maak. Nou, meer as ooit vantevore, behoort ons die kans om tot die samelewing by te dra met geesdrif aan te gryp.

Ek wens jou alles van die beste toe vir die volgende fase van jou lewensreis.

Oudregter Edwin Cameron
Kanselier

Dear member of the Stellenbosch University community

I feel extremely honoured to preside at our autumn 2021 graduation ceremonies – both the online and face-to-face versions. I have always followed events at my alma mater with great interest and am grateful for the opportunity once more to be involved in Maties at this stage of my life, and to be able to share my experience with the next generation.

With our autumn graduation ceremonies annually, we conclude the preceding academic year. When I assumed office as Chancellor at the start of 2020, no-one knew what the year had in store for us. What a year it has been! I take my hat off to you for the determination and adaptability you displayed in the face of the terrifying coronavirus pandemic and all its associated challenges.

Sadly, the pandemic has also taken its toll. My deepest condolences to everyone who has lost a loved one to the virus, or whose lives have been dramatically affected in other ways by the Covid-19 crisis.

This week, we are immensely proud of all the degrees, diplomas and certificates to be conferred at these ceremonies. They attest to SU's key contribution to society – all the more in these challenging times.

I would like to express my respect, appreciation and congratulations to all role-players – students, lecturers, supervisors, support services staff and SU management. Family members deserve a special mention, as do the friends, donors and sponsors who assisted our graduates to keep on working with dedication and purpose, up until the very end, to obtain their qualifications.

To each and every graduate: May the pride and joy with which we are celebrating your achievement today develop into something even more valuable over time – a sense of duty and responsibility. Your new status offers you the opportunity to use the knowledge, skills and networks you have been able to acquire through your studies to make our country, continent and the rest of the world a better place for all. Now, more than ever, we should enthusiastically embrace the chance to contribute to society.

I wish you every success for the next phase of your life's journey.

Justice Edwin Cameron
Chancellor

Kanselier | Chancellor

Justice E Cameron, BAHons, LLD hc (Stell), LLB, BCL, MA, DCL hc (Oxford),
LLD hc (King's College, London), LLD hc (Witw) , LLD hc (St Andrews) , LLD hc (Sussex)

Rektor en Visekanselier | Rector and Vice-Chancellor

Prof WJS de Villiers, MB, ChB, MMed (Int), FCP (SA), DPhil, MHCM

Voorsitter van die Raad | Chairperson of Council

Mr GM Steyn, BA, LLB

Uitvoerende Bedryfshoof | Chief Operating Officer

Prof SA du Plessis, BComHons, MPhil, PhD

Viserektor (Sosiale Impak, Transformasie en Personeel)**Deputy Vice-Chancellor (Social Impact, Transformation and Personnel)**

Prof NN Koopman, BA, MTh, DTh

Viserektor (Leer en Onderrig) | Deputy Vice-Chancellor (Learning and Teaching)

Prof D Ramjugernath, BScEng, PhD, MASSAf, FAAS, FSAAE

Viserektor (Navorsing, Innovasie en Nagraadse Studies)

Deputy Vice-Chancellor (Research, Innovation and Postgraduate Studies)

Prof TE Cloete, MSc, DSc

Viserektor (Strategie en Internasionalisering) | Deputy Vice-Chancellor (Strategy and Internationalisation)

Prof HC Kloppe, BCur, MCur, PhD, MBA, FAAN, MASSAf

Registrateur | Registrar

Dr P Retief, MA, DLitt

Dekane | Deans**AgriWetenskappe | AgriSciences**

Prof D Brink, BScHons, MScAgric, PhD

Ekonomiese en Bestuurswetenskappe | Economic and Management Sciences

Prof I Woolard, BSc, BAHons, PhD

Geneeskunde en Gesondheidswetenskappe | Medicine and Health Sciences

Prof JA Volmink, BSc, MB, ChB, DCH (SA), MPH, DPhil, MASSAf

Ingenieurswese | Engineering

Prof JL van Niekerk, MEng, PhD, EMBA

Krygskunde | Military Science

Prof MS Tshehla, MSc, PhD

Lettere en Sosiale Wetenskappe | Arts and Social Sciences

Prof AJ Leysens, MA, DPhil

Natuurwetenskappe | Science

Prof L Warnich, MSc, PhD

Opvoedkunde | Education

Prof MR Madiba, DLitt et Phil

Regsgeleerdheid | Law

Prof N Smit, BLC, LLB, LLD

Teologie | Theology

Prof RW Nel, BA, BTh, MTh, DTh



Prof Wim de Villiers

Rector en Visekanselier | Rector and Vice-Chancellor

Beste Matie-graduandus

'n Kollega vertel my van 'n jong dokter wat onlangs sê sy is baie verlig dat sy nie die "deurmekaar 2020" as 'n finalejaarstudent hoef aan te gepak het nie. Julle hét – en boonop met groot sukses. Welgedaan!

Niemand sal jaar een van Covid-19 sommer vergeet nie. Dit sal tereg onthou word as 'n besonder uitdagende tyd. Wat as die spreekwoordelike "jaar van volmaakte sig" begin het, het vinnig in 'n maalkolk van onsekerheid ontaard weens die koronaviruspandemie. Ons moes almal vasbyt om op koers te bly met ons doelwitte. Soveel te meer toe die tweede golf infeksies ons land aan die einde van die jaar getref het.

Al die planne wat ons as Universiteit aan die begin van 2020 gehad het, is vinnig afgeskaal tot slegs twee oorhoofse oogmerke: om te sorg dat ons studente hul akademiese jaar kan voltooi en dat ons as instelling volhoubaar bly vir toekomstige innames. Ek dink ons het hierin geslaag.

Toe kontakonderrig in Maart 2020 op alle kampusse landwyd opgeskort is, het ons blitsvinnig na aanlyn noodafstandsonderrig, -leer en -assessering oorgeslaan. Daar was wel haakplekke, maar die meeste is weldra uitgestryk. Dankie aan ons personeel (akademies én steundienste) en studente vir al die harde werk en opofferings wat dít moontlik gemaak het.

Span US het uitstekend gevaar om Covid-19 die hoof te bied. Almal het hul deel gedoen – van studente wat gesondheidswerkers in die frontlinie vrywillig bygestaan het, navorsers wat multidisiplinêre projekte van stapel gestuur het, en tegnoloë wat robotte in 'n hospitaal ontplooi het sodat spesialiste op 'n afstand saalrondes kon doen, tot ingenieurs wat met 'n 3D-drukker onderdele vir asemhalingstoestelle en gesigskerms vir gesondheidsorgwerkers vervaardig het, en kollegas wat uitgereik het na die groter gemeenskap met kospakkies vir huishoudings in nood. Dít is hoe ons Maties ken!

Jou tyd hier by ons het jou voorberei om leiding te neem en uit te blink in 'n diverse wêreld, danksy 'n omgewing waarin jy 'n transformerende studente-ervaring kon hê. Mag jy wat jy hier geleer het met vrug toepas, en mag die US se waardes – uitnemendheid, deernis, billikheid, respek en verantwoordbaarheid – jou rigsgoer bly.

Die US sal altyd jou akademiese tuiste bly. Besoek gerus ons alumniplatform, www.matiesconnect.com. Daar kan jy kontak met jou universiteitsvriende behou, na werksaanbiedinge kyk sowel as mentors en netwerkgeleenthede kry – alles op een plek. Studies dui daarop dat betrokkenheid by sterk alumninetwerke heelwat voordele inhou, veral vir beroepsontwikkeling. Bly deel van die Matie-familie om jou loopbaan te bevorder.

Tot weersiens!

Prof Wim de Villiers
Rector en Visekanselier

Dear Matie graduate

A colleague tells me of a young medical doctor who recently said how relieved she was that she did not have to tackle the "chaotic 2020" as a final-year student. You did – and with great success at that. Well done!

The first year of Covid-19 will not be easily forgotten. It will rightly be remembered as an extremely challenging time. What started off as the proverbial "year of perfect vision" soon turned into one fraught with uncertainty due to the coronavirus pandemic. All of us had to dig deep to stay on course with our goals. Even more so when the second wave of infections struck the country at the end of the year.

The comprehensive plans our University had at the start of the year were swiftly scaled down to only two overall objectives: ensuring that our students could complete their academic year and that our institution remain sustainable for future intakes. I believe we have succeeded in this.

When face-to-face tuition was suspended on campuses nationwide in March 2020, we rapidly switched to online emergency remote teaching, learning and assessment. While there were some glitches, most were soon resolved. This was made possible by the hard work and sacrifices of our staff (both academic and support services) and students, to whom we are deeply grateful.

Team SU excelled at meeting the challenges of Covid-19. Everyone did their bit – from students who volunteered to support frontline healthcare workers, researchers who launched multidisciplinary projects, and technologists who deployed robots in a hospital so that specialists could continue with their rounds remotely, to engineers who used a 3D printer to manufacture parts for ventilators and face shields for healthcare workers, and colleagues who reached out to the broader community with food parcels for households in need. That's Maties for you!

Your time with us has prepared you to lead and excel in a diverse world, thanks to an environment that enabled you to have a transformative student experience. I hope that the lessons you learnt here will stand you in good stead, and that you will continue to live by SU's values – excellence, compassion, equity, respect and accountability.

SU will always remain your academic home. Please visit our alumni platform, www.matiesconnect.com. It allows you to stay in touch with your university friends, view job offers as well as find mentors and networking opportunities – all in one spot. Studies have shown that engagement in strong alumni networks holds significant benefits, not least for professional development. Do stay connected to the Matie family to advance your career.

Until we meet again!

Prof Wim de Villiers
Rector and Vice-Chancellor

Altyd 'n Matie

Geluk en welkom in die Universiteit Stellenbosch se alumni-familie! Jou gradeplegtigheid is 'n belangrike mylpaal, en ook die begin van jou voortgesette verbintenis met jou alma mater. Die Alumni-kantoor is jou lewenslange skakel met die Universiteit. Daar is vele maniere om in kontak te bly.

Tuiskoms-en-familienaweek

Die Universiteit se Tuiskoms-en-familienaweek vir alumni vind vanaf Donderdag, 23 September 2021, tot Saterdag, 25 September 2021, op die Stellenboschkampus plaas. Inligting is beskikbaar by www.matiesalumni.com.

Sluit aan by Maties Connect

Ons www.matiesconnect.com-platform sal jou help om jou professionele netwerk uit te brei, 'n mentor te vind, alumni te bereik, en op hoogte te bly van gebeure by jou alma mater.

Wees deel van 'n Alumni-hub

Die Stellenbosch Alumni-betrekkinge-span stel plaaslike en internasionale alumni-nawe (oftewel hubs) saam om die skakeling tussen alumni onderling te verbeter deur gereelde netwerke en sosiale geleenthede aan te bied. Vir meer inligting oor hoe om 'n hub in jou gebied te stig of by een van ons gevestigde hubs aan te sluit, stuur 'n e-pos na alumni@sun.ac.za.

Always a Matie

Congratulations and welcome to the Stellenbosch University alumni family! Your graduation is a momentous occasion and marks the beginning of your continued relationship with your alma mater. The Alumni Office is your lifelong connection to the University. There are many ways to stay connected.

Homecoming and Family Weekend

The University's Homecoming and Family Weekend takes place from Thursday, 23 September 2021, to Saturday, 25 September 2021, on the Stellenbosch Campus. Information is available on www.matiesalumni.com.

Join Maties Connect

Our www.matiesconnect.com platform will help you increase your professional network, find a mentor, reach out to alumni, and keep up to date on what's happening at your alma mater.

Be part of an Alumni Hub

The Stellenbosch Alumni Relations team establish alumni hubs both locally and internationally to connect alumni in specific regions with one another through regular networking and social events. For more information on how to start or join an existing hub in your area, send an e-mail to alumni@sun.ac.za.

I-Matie ngalo Lonk' ixesha

Sivuyisana nawe kwaye wamkelekile kusapho olungabo babesakufunda kwiYunivesithi yaseStellenbosch! Ukuthweswa kwakho isidanga lixesha apha elakha labaluleka, kwaye likwalixesha eliphawula ukuqalisa kwakho ubudlelwane obuqhubekayo kunye nale yunivesithi owawusakufunda kuyo. IOfisi yabo Babesakuba Ngabafunda Apha yiyo ekunxulumanisa neYunivesithi ubomi bakho bonke. Zininzi iindlela zokuhlala uqhagamshelkile.

IMpelaveki yoBuyelo-khaya ubenoSapho

IMpelaveki yoBuyelo-khaya ubenoSapho eyenzelwe abo babesakufunda apha yenzeka ukusuka ngoLwesine umhla wama-23 kwinyanga yoMsintsi ukuyokutsho ngoMgqibelo umhla wama-25 kweyoMsintsi 2021 kwikhampasi yaseStellenbosch. Lingcombolo ezithe vetshe zifumaneka ku-www.matiesalumni.com.

Joyina i-Maties Connect

Iqonga lethu le-www.matiesconnect.com liza kukunceda ekwandiseni inani leengcali onxibelelana nazo, ekufumaneni umcebisi onamava, ekufikeleleni kwabanye ababefunda apha nasekubeni uhlale usazi ngokwenzekayo ngale yunivesithi owawusakufunda kuyo.

Yiba yinxalenye yeQela labo baBesakuba ngaBafundi balapha

Iqela lezoNxibelelwano lwabo baBesakuba ngaBafundi balapha lisungula amaqela abo babesakuba ngabafundi apha naza kuzinza kweli lizwe nakwamanye amazwe ukuze kunxibelelwane ngabo babesakuba ngabafundi apha abakwiingqi ezithile oko kusenziwa ngokunxibelelana rhoqo nangeendibano zasekuhlaleni. Ukuba ufuna iinkcukacha ezithe vetshe malunga nendlela yokuqalisa okanye yokujoyina iqela esele likho kwiingqi yakho, thumela i-imeyili ku-alumni@sun.ac.za.

Gradeplegtighede | Graduation Ceremonies

A. Hybriedemodel vir gradeplegtighede | Hybrid model for graduation ceremonies

B. Covid-19-protokol vir gradeplegtighede | Covid-19 graduation protocol

C. Fisiese (in-persoon) toekennings | Physical (face-to-face) awards

1. 29 Maart | March 2021 (09:00)

Fakulteit AgriWetenskappe | Faculty of AgriSciences

Doktorsgrade | Doctorates

2. 29 Maart | March 2021 (13:00)

Fakulteit Lettere en Sosiale Wetenskappe | Faculty of Arts and Social Sciences

Doktorsgrade | Doctorates (Groep 1 | Group 1)

3. 29 Maart | March 2021 (17:00)

Fakulteit Lettere en Sosiale Wetenskappe | Faculty of Arts and Social Sciences

Doktorsgrade | Doctorates (Groep 2 | Group 2)

4. 30 Maart | March 2021 (09:00)

Fakulteit Ekonomiese en Bestuurswetenskappe | Faculty of Economic and Management Sciences

Eredoktorsgraad | Honorary Doctorate: Louisa Mojela

Doktorsgrade | Doctorates

5. 30 Maart | March 2021 (13:00)

Fakulteit Geneeskunde en Gesondheidswetenskappe | Faculty of Medicine and Health Sciences

Doktorsgrade | Doctorates

6. 31 Maart | March 2021 (09:00)

Fakulteit Opvoedkunde | Faculty of Education

Doktorsgrade | Doctorates

Fakulteit Teologie | Faculty of Theology

Doktorsgrade | Doctorates

Fakulteit Regsgeleerdheid | Faculty of Law

Doktorsgrade | Doctorates

Fakulteit Krygskunde | Faculty of Military Science

Doktorsgrade | Doctorates

7. 31 Maart | March 2021 (13:00)

Fakulteit Ingenieurswese | Faculty of Engineering

Doktorsgrade | Doctorates (Groep 1 | Group 1)

8. 31 Maart | March 2021 (17:00)

Fakulteit Ingenieurswese | Faculty of Engineering

Doktorsgrade | Doctorates (Groep 2 | Group 2)

Kanselierstoekenning | Chancellor's Award

9. 1 April | April 2021 (09:00)

Fakulteit Natuurwetenskappe | Faculty of Science

Eregraad | Honorary Doctorate: Batmanathan Dayanand Reddy

Doktorsgrade | Doctorates

Kanselierstoekenning | Chancellor's Award

Virtuele toekennings | Virtual awards

Nagraadse en Voorgraadse Kwalifikasies | Postgraduate and Undergraduate Qualifications

Fakulteit AgriWetenskappe | Faculty of AgriSciences

Fakulteit Lettere en Sosiale Wetenskappe | Faculty of Arts and Social Sciences

Fakulteit Ekonomiese en Bestuurswetenskappe | Faculty of Economic and Management Sciences

Fakulteit Geneeskunde en Gesondheidswetenskappe | Faculty of Medicine and Health Sciences

Fakulteit Opvoedkunde | Faculty of Education

Fakulteit Teologie | Faculty of Theology

Fakulteit Regsgeleerdheid | Faculty of Law

Fakulteit Krygskunde | Faculty of Military Science

Fakulteit Ingenieurswese | Faculty of Engineering

Fakulteit Natuurwetenskappe | Faculty of Science

Hibriedemodel vir gradeplegtighede

Ons vier die akademiese prestasies van duisende studente van die Universiteit Stellenbosch (US) wat in Maart gradueer. Die gradeplegtighede word gehou in 'n formaat wat aan Covid-19 regulasies voldoen, en nie graduandi óf hul gaste se gesondheid en veiligheid in gevaar sal stel nie.

Die Rektorat het 'n hibriede-gradeplegtighedsmodel goedgekeur wat bestaan uit klein fisiese plegtighede (van aangesig tot aangesig) van 29 Maart tot 1 April, sowel as fakulteitspesifieke aanlyn plegtighede.

Nege klein fisiese gradeplegtighede word in die Endlersaal van die Konservatorium op ons Stellenboschkampus gehou vir die toekenning van doktorsgrade, eredoktorsgrade en die Kanselierstoekennings.

Fakulteitspesifieke aanlyn plegtighede word vir die res van die graduandi-kategorieë gehou en dié graduandi ontvang dus hulle kwalifikasies in absentia. Die hiperskakels na die fakulteitspesifieke virtuele gradeplegtighede word op die volgende datums en tye vrygestel:

Datum	Tyd	Fakulteit
Maandag, 29 Maart 2021	09:00	AgriWetenskappe
Maandag, 29 Maart 2021	13:00	Lettere en Sosiale Wetenskappe
Dinsdag, 30 Maart 2021	09:00	Ekonomiese en Bestuurswetenskappe
Dinsdag, 30 Maart 2021	13:00	Geneeskunde en Gesondheidswetenskappe
Woensdag, 31 Maart 2021	09:00	Opvoedkunde
		Teologie
		Regsgeleerdheid
		Krygskunde
Woensdag, 31 Maart 2021	13:00	Ingenieurswese
Donderdag, 1 April 2021	09:00	Natuurwetenskappe

Hybrid model for graduation ceremonies

We are celebrating the academic achievements of thousands of Stellenbosch University (SU) students graduating in March. Graduation will occur in a format that complies with Covid-19 regulations and does not put the health and safety of graduands or their guests at risk.

The Rectorate approved a hybrid graduation model that consists of small face-to-face ceremonies from 29 March to 1 April, as well as faculty-specific online ceremonies.

Nine small physical graduation ceremonies will be held in the Endler Hall of the Conservatoire on our Stellenbosch Campus for the conferral of doctorates, honorary doctorates and the Chancellor's Awards.

Faculty-specific online ceremonies will be held for the remainder of the categories of graduands, who will therefore receive their qualifications in absentia. The hyperlinks to the faculty-specific virtual graduation ceremonies will be released on the following dates and at the following times:

Date	Time	Faculty
Monday, 29 March 2021	09:00	AgriSciences
Monday, 29 March 2021	13:00	Arts and Social Sciences
Tuesday, 30 March 2021	09:00	Economic and Management Sciences
Tuesday, 30 March 2021	13:00	Medicine and Health Sciences
Wednesday, 31 March 2021	09:00	Education
		Theology
		Law
		Military Science
Wednesday, 31 March 2021	13:00	Engineering
Thursday, 1 April 2021	09:00	Science

Covid-19-protokol vir gradeplegtighede

Covid-19 graduation protocol

- Alle graduandi en gaste ontvang unieke sitpleknommers. Moet asseblief nie sitplekke ruil of van sitplek verander nie, want die sitplekrekord en -geskiedenis sal vir enige moontlike kontakopsoring gebruik word.
 - Alle lokale word sowel voor as na elke plegtigheid deeglik volgens die goedgekeurde Covid-19-protokol skoongemaak en ontsmet.
 - Dit is verpligtend vir sowel graduandi as gaste om vir die volle duur van die plegtigheid 'n masker te dra, ook wanneer graduandi oor die verhoog stap.
 - Hoewel graduandi oor die verhoog sal stap, sal die Registrateur geen graadserpe omhang nie om aan Covid-19-protokol te voldoen.
 - Handhaaf asseblief te alle tye 'n veilige afstand van 1,5 m van ander.
 - Dit is verbode om enige kos in die lokaal in te bring of te eet. Slegs water word in die lokaal toegelaat.
 - Ons versoek vriendelik dat u die lokaal so vinnig moontlik ná die geleentheid verlaat sodat skoonmaak en ontsmetting met die oog op die volgende plegtigheid kan begin.
 - Sorg asseblief dat u enige afval soos waterbottels en sneesdoekies ensovoorts met u saamneem wanneer u die lokaal verlaat. Gebruik gerus die vullissak wat vir dié doel voorsien word.
 - Gaste en graduandi wat nie aan hierdie voorwaardes voldoen nie, sal versoek word om die lokaal te verlaat.
 - All graduands and guests have been assigned unique seat numbers. Please do not move or change seats, as the seating record and history will be used for any potential contact tracing.
 - All venues are thoroughly cleaned and disinfected as per the approved Covid-19 protocol before and after each ceremony.
 - The wearing of a mask is compulsory for both graduands and guests for the full duration of the ceremony, including when graduands cross the stage.
 - While graduands will cross the stage, there will be no hooding by the Registrar to comply with Covid-19 protocol.
 - Please maintain a safe distance of 1,5 m from others at all times.
 - No food may be brought into or consumed in the venue. Only water is permitted inside the venue.
 - We respectfully request that you exit the venue as swiftly as possible after the event so that cleaning and sanitising with a view to the next ceremony may commence.
 - Kindly ensure that you take along any waste items such as water bottles and tissues when you exit the venue. Please utilise the waste disposal bag provided.
 - Guests and graduands not adhering to the above conditions will be requested to leave the venue.
-

Fisiese Toekennings
(*in-persoon*)

Physical Awards
(*face-to-face*)

2021

Fisiese Toekennings
(*in-persoon*)

Fakulteit AgriWetenskappe

29 Maart - 09:00

Physical Awards
(*face-to-face*)

Faculty of AgriSciences

29 March - 09:00



PROGRAM

Staan asseblief

Staan asseblief

Sit asseblief

Staan asseblief

1. Akademiese prosesie kom die saal binne.
2. Speel van die Nasionale Lied.
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PROGRAMME

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Fakulteit AgriWetenskappe | Faculty of AgriSciences

DOKTORALE KWALIFIKASIES | DOCTORAL QUALIFICATIONS

DOKTOR IN DIE WYSBEGEERTE (BOSBOU) DOCTOR OF PHILOSOPHY (FORESTRY)

DA COSTA ALPOIM, Giordano Diamantino (Forest Science)

The interaction between site, harvest residue management and plant stock quality on eucalyptus transplant survival, growth and uniformity in KwaZulu-Natal, South Africa

The planting of variable nursery stock, combined with substandard silviculture practices, has been associated with poor survival and reduced growth in timber plantations of South Africa. Four replicated field trials were established in KwaZulu-Natal to examine the interaction of harvest residues, nursery stock size, nursery irrigation protocols and insecticide applications on the survival, growth and uniformity of two eucalypt genotypes, from planting to clear felling. Silvicultural inputs applied simultaneously at planting showed statistically significant differences for basal area growth up to 3.5 years. Thereafter, intraspecific competition for resources regulated the highest rate of biomass production and evapotranspiration across all sites.

Supervisor: Prof B du Toit
Co-supervisor: Prof KM Little (external)

DOKTOR IN DIE WYSBEGEERTE DOCTOR OF PHILOSOPHY

DUMALISILE, Pholisa (Food Science)

The effect of muscle type and ageing on Near Infrared (NIR) spectroscopy classification of game meat species using a portable instrument

Meat products characterise a large section of human food, as they provide valuable nutritional attributes. Game meat is a highly priced product, causing it to be an appealing target for species substitution. Substitution of game meat is a potential economic concern, as one cannot easily detect its source of origin when evaluating meat visually. Therefore, the authentication of meat is essential. This study demonstrates the ability of a handheld MicroNIR™ OnSite spectrophotometer to discriminate different species of game meat, different muscle types within each species and different species regardless of the muscle used. However, the instrument cannot be used as a reliable prediction tool for aged game meat.

Supervisor: Dr PJ Williams
Co-supervisors: Profs M Manley, L Hoffman (external)

GELDENHUYS, Marinus (Conservation Ecology)

Viticultural effects on arthropod diversity in the Cape Winelands Biosphere Reserve

Reconciling agricultural production with biodiversity conservation is a global challenge. Non-crop vegetation was identified in this study as a key factor for enhancing arthropod diversity in vineyards across taxa, management regimes and landscape contexts. No management practices improved the permeability of vineyards to fynbos specialist arthropods, emphasising the value of fynbos patches in farmland and highlighting the need for stepping-stone habitats to increase landscape connectivity. High species turnover and functional diversity in both vineyards and natural vegetation revealed major opportunities for biodiversity conservation in viticultural landscapes. This study provides important guidelines for vineyard management and landscape planning to improve farmland resilience.

Supervisor: Dr R Gaigher
Co-supervisors: Profs JS Pryke, MJ Samways

GERMISHUYS, Zandrè (Food Science)

X-ray micro-computed tomography (μ CT) evaluation of bubble structure to determine quality of dough and bread made from roasted wheat flour

Breadmaking comprises a series of aeration stages. This bubble structure influences bread foam properties, crumb fineness and texture. This study used 3D X-ray and 2D digital imaging as well as texture analysis to evaluate the bubble structure of dough and foam properties of bread produced from roasted wheat flour. It showed that freeze-drying of dough maintained its structural integrity during X-ray imaging. Improved fineness of the crumb texture was observed for the roasted wheat flour bread. Decrease in firmness of these breads resulted in an increase in shelf life of at least one day compared to the control breads.

Supervisor: Prof M Manley

KASEKE, Tafadzwa (Food Science)

Value addition of pomegranate seed oil: Effect of pretreatment methods on yield, quality attributes and functional properties

The prospects for a competitive South African pomegranate industry may be achieved through agro-processing of value-added shelf-stable products. Considerable potential for pomegranate seed oil application in nutraceutical, pharmaceutical, cosmetic and food industries exists based on its functional properties. For the first time, this study provides recommendations on suitable seed pretreatment and oil extraction methods for high yield, quality and functional properties of pomegranate seed oil. Furthermore, the study formulated pomegranate seed oil blends for improved health and human nutrition.

Supervisor: Prof UL Opara
Co-supervisors: Profs OA Fawole, GO Sigge

MAFATA, Mpho (Oenology)

A chemometric approach to investigating South African wine behaviour using chemical and sensory markers

This study examined data analysis strategies for oenology, including chemometric and sensometric techniques. It entailed an investigation into problems related to relevant topics, such as the changes in wine over storage and the typicality of South African Old Vine Chenin Blanc wines. First, traditional approaches using descriptive statistical narratives were described. This was followed by statistics-centred approaches focusing on data fusion and pattern recognition techniques. Detailed examination of the data handling process for oenologists was done, highlighting novel statistical tools and strategies.

Supervisor: Dr A Buica
Co-supervisors: Dr J Brand, Prof AV Medvedovici (external)

MASHAMAITE, Chuene Victor (Agronomy)

Unravelling the conflict associated with Moringa oleifera – super food or agricultural weed?

This study provides a novel perspective on the complex issues of agronomic, cultural, ecological and economic status of moringa in South Africa. Findings demonstrated that moringa, listed as SUSPECT under NEM:BA, does not necessarily impose negative pressures on the environment, economy and society. Therefore, moringa may be regarded as a super food for communities who use it, rather than agricultural weed. A systems thinking approach indicated that moringa status is composed of various interdependent variables that are intertwined in a complex system.

Supervisor: Dr EE Phiri
Co-supervisors: Drs PJ Pieterse, PN Mothapo, AJ Albien

OLAYIWOLA, Hamed Olafiku (Wood Product Science)

Development of geopolymers-bonded wood composites

The application of fly ash and slag-based geopolymer binder in the development of natural fibre composite products was investigated in this study, utilising wood materials from the clearing of invasive species and agricultural crop residue. The suitability of the products to substitute cement-bonded products in outdoor conditions was also investigated, and the influence of biomass treatment and surface modification to improve the properties of the products was tested. Various advanced characterisation techniques were employed to evaluate the properties of the composite products. It was found that geopolymer-bonded composites could substitute current cement-bonded products.

Supervisor: Dr L Tyhoda
Co-supervisor: Prof M Meincken

SACCAGGI, Davina Luisa (Entomology)

Mechanisms and determinants of transport and establishment in terrestrial arthropods

In order to analyse how global trade facilitates the introduction of invasive species, this study reviewed at-border quarantine systems, including the collation of a comprehensive dataset of South African border interceptions. Trade volume generally predicted the frequency of interceptions, while other factors were important only in specific contexts. This context dependence highlights the need for border agencies to develop greater flexibility. A laboratory experiment tested how environment and introduction dynamics interact to determine whether a new population survives. Both size and frequency of introduction events were only influential in extreme environments. This study provides valuable information to better understand and manage import pathways.

Supervisor: Prof JS Terblanche
Co-supervisor: Prof JRU Wilson

VAN EMMENES, Liesel (Animal Science)

Exploring the potential health benefits from Hermetia illucens and Chrysomya chloropyga larvae meal in poultry diets

The study provides evidence that both *Hermetia illucens* and *Chrysomya chloropyga* larvae meal are good protein sources for poultry diets with immunostimulatory properties that improve humoral and cellular immune responses. Both larvae meal sources can improve feed efficiency, similar to antimicrobial growth promoters on the market. The study also provides evidence that *C. chloropyga* larvae meal decreases the occurrence of salmonella in the gastrointestinal tract of broilers and that the use of these larvae meal sources will result in healthier animals and meat products that are safer for the consumer.

Supervisor: Dr E Pieterse
Co-supervisor: Prof LC Hoffman (external)

WEILLER, Florent Jacques Raymond (Wine Biotechnology)

Cell wall profiling of tobacco leaves and grapes in the context of Botrytis cinerea infection

This study used cell wall profiling tools to, firstly, evaluate how cell wall changes correlated with overexpression of a polygalacturonase-inhibiting protein involved in plant defence against the grey rot fungus *Botrytis cinerea*. Secondly, the cell wall composition of Cabernet Sauvignon, Sauvignon Blanc, Dauphine and Barlinka grape berries, before and during *B. cinerea* infection, were compared. Glycoproteins, such as arabinogalactans and extensins, seemed to accumulate at the infection sites. The results showed that during infection, homogalacturan methylesterification patterning and the extensin epitopes were modified, suggesting a role for these proteins in plant defence.

Supervisor: Dr J Moore
Co-supervisors: Profs MA Vivier, A Driouch (external)

ZANTSI, Siphe (Agricultural Economics)

Unlocking the potential of the emerging smallholder farming sector in South African agriculture: An agent-based approach

This study argues that, in order to attain some level of success in linking commercially oriented smallholders to commercial agriculture through land redistribution, often-quoted obstacles should be addressed. Two of these obstacles, namely farm size and beneficiary selection, were addressed as sub-questions through an array of methodologies and survey data: firstly, by developing a reliable criterion for defining 'emerging farmers' in the South African context and analysing their diversity, and secondly, by improving beneficiary selection criteria and predicting attributes that can increase beneficiary likelihood to relocate. Thirdly, a viable farm size was determined and used for subdividing commercial farms.

Supervisor: Prof N Vink
Co-supervisor: Dr JC Greyling

Fisiese Toekennings
(*in-persoon*)

Fakulteit Lettere en
Sosiale Wetenskappe
(Groep I)

29 Maart - 13:00

Physical Awards
(*face-to-face*)

Faculty of Arts and
Social Sciences
(Group I)

29 March - 13:00



PROGRAM

Staan asseblief

Staan asseblief

Sit asseblief

Staan asseblief

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Fakulteit Lettere en Sosiale Wetenskappe (Groep 1)

Faculty of Arts and Social Sciences (Group 1)

DOKTORALE KWALIFIKASIES | DOCTORAL QUALIFICATIONS

DOKTOR IN DIE WYSBEGEERTE DOCTOR OF PHILOSOPHY

BAMBENI, Ntobeko (Social Work)

The role of social workers in facilitating financial capabilities development of vulnerable households

Financial capabilities development is one of the global strategies for poverty alleviation in interventions that are aimed at poverty reduction of vulnerable households. However, such intervention has not been empirically explored in the South African social work domain. This is despite social workers' contribution to the facilitation of financial capabilities development in their daily practices. The key recommendation of this ground-breaking study is that the development of a curriculum for social work students and practitioners in the specialised field of financial social work is vital in the context of South Africa's social development approach towards social work service delivery.

Supervisor: Prof LK Engelbrecht

BLOOMBERG, Jonti Joey (Philosophy)

The indestructible will: A critical examination of Arthur Schopenhauer's theory of Athanasia

Arthur Schopenhauer, a 19th-century German philosopher, proposed a unique theory of immortality (athanasia). For Schopenhauer, the only genuine consolation for the inevitability of death is the notion of an afterlife; however, as an avowed atheist he advocates for a non-personal, metaphysical conception thereof. Claiming that the experienceable world is entirely mind-dependent, and that the essence of the world is a primordial, indestructible 'Will', immortality is for Schopenhauer a 'return' to this 'Will', which underlies and constitutes the essence of all creatures: past, present and future. This study illustrates that, although consoling and interesting in certain respects, Schopenhauer's theory is ultimately untenable.

Supervisor: Prof JP Hattingh

BOOYSEN, Duane Danny-Coe (Psychology)

The feasibility of disseminating and implementing prolonged exposure therapy for survivors of trauma in South Africa: A mixed-methods study

Prolonged exposure (PE) therapy is a first-line treatment for post-traumatic stress disorder. However, the dissemination and implementation of PE therapy in the Global South are sparse. Using a mixed-methods design, this study investigated the effectiveness of PE therapy as a trauma therapy among clients at two counselling centres in the Western Cape and Eastern Cape. Moreover, the study also explored whether PE therapy is a feasible and acceptable trauma therapy among trauma counsellors and clients in a South Africa context. The study contributes to the global mental health initiatives to disseminate and implement effective trauma-focused treatments in the majority world.

Supervisor: Prof SA Kagee

DE WET, Anneliese (Psychology)

The development of a contextually appropriate measure of individual recovery for mental health service users in a South African context

Recovery is essential in approaching mental health. In South Africa, recovery studies and measurement are emerging in a context of challenges and resource constraints. This study aimed to contribute to the growing knowledge of recovery in South Africa by exploring the understanding of recovery among service users, carers and service providers, and the barriers to, and facilitators of, recovery by developing an individual measure of recovery that is appropriate to a South African context. The emphasis throughout on support as crucial to recovery suggests appropriate and circumspect development of formal peer support work in South Africa.

Supervisor: Dr C Pretorius

KOMBA, Yustina Samwel (History)

A socio-economic history of coffee production in Mbinga District, Tanzania, c. 1920–2015

The study examined the foundation, development, fortunes and socio-economic impact of the coffee industry on smallholder coffee producers in the Mbinga District from 1920 to 2015. The cooperative marketing system introduced by the colonial state, the Ujamaa policy of the postcolonial state and the economic liberalisation introduced since the late 1980s were major influences that shaped the trajectory of the coffee industry over time, resulting in entrenched hegemonic and exploitative practices at the expense of smallholder coffee producers by 2015. The revealed women's participation in coffee production and marketing also challenged the perception of coffee as a 'man's crop'.

Supervisor: Dr A Ehlers

Co-supervisor: Dr H Kangalawe (external)

KOTZÉ, Esté Mari (History)

More than just pretty girls in uniform: A historical study of women's military roles during WWII, 1939–1945

The study investigated the changing role of white South African women of the Women's Auxiliary Defence Corps within the broader military structure of the Union Defence Force (UDF) during World War II. Situated in local and international historiographical debates on military culture, the gender double helix and the combat taboo, this study asked: How auxiliary were these servicewomen? The study argues that the UDF upheld prevailing socio-political hierarchies of race, class and gender, which officially confined women's service to the auxiliary. However, the influence of divisional military culture and wartime flexibility allows for a reappraisal along an auxiliary/combatant spectrum.

Supervisor: Dr CJP Fransch

MAPHOSA, Lloyd Melusi (History)

A historical analysis of joint stock companies in the Cape Colony between 1892 and 1902

The promulgation of laws sanctioning the use of limited-liability joint stock companies during the 19th century heralded an era of rapid economic development. Using the founding documents of companies in the years following the 1892 Company Act in the Cape Colony, this study investigated the nature and growth of the Cape's private capital market. Investment came not just from the rich and privileged. Most individuals who founded companies were middle-class. Women, despite cultural institutions that prohibited many from waged work, were active investors. Notwithstanding the prejudices of the day, limited liability allowed many to obtain economic freedom.

Supervisor: Prof J Fourie
Co-supervisors: Drs A Ehlers, EM Kerby

PASCHE, Sonja Christine (Psychology)

Attempted suicide among South African adolescents living in a low-resource environment: Contested meanings, lived experience and expressed support needs

The aim of this study was to provide a contextualised understanding of the phenomenon of suicide attempts by South African adolescents living in a low-resource environment. A multiperspective research design was used to collect qualitative data from adolescents who had attempted suicide, their caregivers and the medical staff involved in their care. The findings of the study highlight the relational context of adolescent suicide attempts. The adolescents' accounts of their suicide attempts were incongruent with existing theories of suicidal behaviour, highlighting the need for adolescent-specific and contextualised theories of suicidal behaviour. These findings suggest that adolescent suicide prevention cannot solely be the responsibility of mental health professionals.

Supervisor: Prof J Bantjes

SHERBUT, Graham Nathaniel Thomas (Political Science)

The political dynamics of inter-island cooperation and contestation in the Western Indian Ocean: A case study of regional fisheries development

Do existing political dynamics between the Western Indian Ocean island states incentivise (or fail to incentivise) deepened cooperation and collective diplomacy in the fisheries sector? Do existing political dynamics allow this island grouping to be thought of as a distinct and socially constructed region as a consequence of their fisheries regimes? Analysing these questions at the levels of state-to-state interaction and international organisations and across civil societies, the absence of commonly accepted fisheries regimes points to a lack of common values and expectations. This, in turn, precludes the possibility of these island states constructing a common political identity as a distinct 'fisheries region'.

Supervisor: Prof JE van der Westhuizen

STRAUSS, Johannes Stefanus (Gesiedenis)

Die rol van immigrante van St. Helena-eiland in die Kaapse en Suid-Afrikaanse samelewing, met spesifieke verwysing na die periode 1808–1908

Die studie het gefokus op die rol van St. Helena-immigrante in die Suid-Afrikaanse samelewing – 'n minderheidsgroep wat as tema tot nou toe betreklik verwaarloos is in die Suid-Afrikaanse historiografie. Deur intensiewe en uitgebreide navorsing in verskeie argiefbewaarplesse, biblioteke, kerkrekords, genealogiese bronne, die internet en ander bronne en literatuur, is bevind dat by benadering ongeveer 8 817 eilandbewoners in die periode 1808 tot 1908 na Suid-Afrika geïmmigreer het. Hulle het aansienlike bydraes op sosio-ekonomiese, kulturele en selfs politieke terrein, veral in streke soos Namakwaland, die Wes-Kaap, Oos-Kaap, KwaZulu-Natal en die diamantvelde van Kimberley, gelever.

Promotor: Prof WP Visser
Medepromotor: Dr HF Heese (ekstern)

TROSKIE, Sandra (Besluitneming en Kennisdinamika)

Van Homo na sapiens: Die evolusionêre rol van religie in die ontwikkeling van die mens

Die vraag wat dié studie onderlê het, was waarom die mens die enigste spesie sou word wat nie net ons buiteomgewing nie, maar ook die innerlike omgewing van ons gevoelens op doelbewuste wyse kultiveer. Dié vraagstelling onderlê die oorhoofse doel van hierdie studie, naamlik om religie as lens in te span vir 'n neurokulturele ondersoek na daardie prosesse waarin 'n "anatomiese, neurologiese, genetiese, fisiologiese" aap, in die woorde van die bekende VS Ramachandran, mens sou word. Die fokus is dus nie op religie as kulturele verskynsel nie, maar op dit wat dié verskynsel oor die aard en wese van menswees verklar.

Promotor: Prof PF Craffert (ekstern)
Medepromotors: Prof BW Watson, dr JA van den Heever

VENTER, Frederick Johannes (Socio-Informatics)

Formal concept analysis applied to pattern matching and automata

This study explored the use of formal concept analysis (FCA) in contexts where finite automata (FAs) are conventionally used. Problems investigated at varying level of detail included pattern matching (PM) on 2D rectilinear objects, PM on multiple keywords, PM using acyclic deterministic FAs, construction of so-called failure FAs and determining nondeterministic FAs. Overall, the study illustrates that such problems are amenable to FCA-based solutions. An evaluation of FCA-based solutions against FA-based solutions in terms of space/time efficiency and enhanced richness of the underlying data structures is left to future research.

Supervisor: Prof BW Watson
Co-supervisor: Prof DG Kourie (external)

VILJOEN, Lario (Sociology)

Linking love and health: Social narratives of sex, intimacy and love in the context of universal testing and treatment of HIV/AIDS

HIV-prevention efforts evolved from a primary focus on sexual behavioural change to treatment-based prevention modalities. The universal access to HIV testing and treatment necessitated the need to understand how the changing HIV-prevention landscape shapes the sexual experiences and relationship dynamics of women at risk of HIV. Nested in an HIV-prevention trial in southern Africa, this study shows that readily available HIV testing and treatment has not shaped the sexual narratives of women. Consequently, public health programmes must be responsive to women's changing experiences and perceptions of HIV risk and consider presenting HIV treatment as prevention as a partnered solution.

Supervisor: Dr LJ Reynolds

Fisiese Toekennings

(in-persoon)

Fakulteit Lettere en
Sosiale Wetenskappe
(Groep 2)

29 Maart - 17:00

Physical Awards

(face-to-face)

Faculty of Arts and
Social Sciences
(Group 2)

29 March - 17:00



PROGRAM

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6. Closing by the Vice-Chancellor.
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Fakulteit Lettere en Sosiale Wetenskappe (Groep 2)

Faculty of Arts and Social Sciences (Group 2)

DOKTORALE KWALIFIKASIES | DOCTORAL QUALIFICATIONS

DOKTOR IN DIE WYSBEGEERTE DOCTOR OF PHILOSOPHY

KIYINIKIBI, Nkonge Douglas (African Languages)

The locatives in Luganda: A syntax-interfaces approach

Adopting a syntax-interfaces approach, the study investigated selected intransitive and transitive verb constructions in Luganda containing locative elements in presenting an account of how interpretative properties of constructions, including locative inversion constructions, correlate with morphosyntactic properties. A systematic analysis was conducted of how the syntactic realisation of semantic role-bearing noun phrases in constructions with locative elements, including the locative morphology on nouns, the locative applicative verbal suffix and the locative verbal clitic, compositionally determine the interpretative properties of sentence constructions. The interfaces of morphosyntax with event semantics, information structure and definiteness and specificity of noun phrases were explored.

Supervisor: Prof MW Visser

LIEBENBERG, Visser (Music)

Artistic experimentation through decolonial sound projects for clarinet

The study is the result of a process-driven approach. It centred on the desirability of sound decolonisation through artistic research and artistic experimentation to create an index of sounds from which to generate possibilities of musical composition. Through a process of translation, the Western clarinet sound and practice were staged to encounter endogenous sounds in an effort to explore a decolonial praxis. This enabled a consideration of the prejudices of modernity and coloniality from a Global South perspective, and guided an exploration of sound production and music composition as epistemological delinking from the constructs of undergraduate and postgraduate Western classical education.

Supervisor: Prof SjuZ Muller

Co-supervisor: Dr EM Pauw

MALIBO, Rethabile Khantse (Drama and Theatre Studies)

Investigating process drama as methodology to address sensitive curriculum content in secondary schools in Lesotho

This study investigated a process drama-inspired pedagogy to teach sensitive curriculum content in secondary schools in Lesotho. Comprehensive sexuality education (CSE) was introduced in Lesotho as a response to the prevailing socio-cultural climate, but findings suggest that teachers design CSE content using their own biographies and employ a dictatorial methodology in class. Even though teachers appreciated the role process drama can play in teaching CSE, they struggled to acquaint themselves with some of the conventions. The potential for process drama as an effective pedagogy for sensitive curriculum content was confirmed.

Supervisor: Dr MH Pretorius

MAZIKU, Joseph William (Science and Technology Studies)

A scientometric analysis of the science system in Tanzania

This study represents the most recent and comprehensive assessment of the performance of the Tanzanian science system. Utilising multiple methods, including in-depth bibliometric analyses and the secondary analysis of survey data, the study presents information on investment in research and development, the human resources capacity in the country as well as the output and impact of scientific publications. The study concludes that, despite improvements in some areas (for example increased scientific output), the biggest challenge facing the country remains the low investment in research and development by government.

Supervisor: Prof J Mouton

MORRIS, Lorna Hiles (Lexicography)

A model for a comprehensive electronic school dictionary for South African primary school learners

The majority of South African learners are taught in English, which is not their first language. Language resources are limited. Printed school dictionaries are constrained by the limitations of the medium. This study considered literature on pedagogical dictionaries, electronic dictionaries and the South African education context. A model was designed for the user interface of articles in an electronic school dictionary that provides support such as translation equivalents, word banks with related words, illustrations for each sense, usage notes and word family boxes showing relationships between words. The versatility of the model means that it can be adapted for other languages.

Supervisor: Prof RH Gouws

MORRISON, Monica Sue (Science and Technology Studies)

The uptake of wildlife research in Botswana: A study of productive interactions

The study investigated whether wildlife research in Botswana focuses on producing useful and used work, with a view to improving the management of these resources. Drawing on the idea of productive interactions, it used a mixed-methods case study approach to examine interactions between researchers and stakeholders engaged in the management, conservation and use of wildlife resources in northern Botswana. The study found that if researchers involve potential users in their work from the beginning of their research projects and continue to share information throughout the project, there is a better chance that the research findings will be considered and used.

Supervisor: Prof SC Boshoff

MOUTON, Charline (Evaluation Studies)

Performance measurement of policy priorities: Tracking government performance

The study is the first study in the field that developed and implemented an analytical framework to integrate the basic elements of the deliverology approach to performance measurement in the public sector with standard components of recent developments in programme evaluation. These components build specifically on the value of theory-based monitoring and evaluation approaches and the necessity of articulating programme theories of change. This novel framework was illustrated and validated through a case study of the eLearning Game Changer in the Western Cape.

Supervisor: Dr LP Wildschut
Co-supervisor: Prof J Mouton

MOYO, Felicitas (Science and Technology Studies)

Social science research for policy utilisation in Zambia

The study combined a comprehensive historical overview of the social sciences in Zambia since its origins in the early 20th century through the establishment and institutionalisation of social science research at the University of Zambia in the 1960s up to recent times. The study also included a comprehensive scientometric assessment of the state of the social sciences in Zambia. It further analysed how and under which conditions the results of social science research in the country have informed public policy, but also identified the obstacles to the uptake and optimal use of social sciences research.

Supervisor: Prof J Mouton

MULLINS, Angela Catherine (Music)

Future-focused music education: Developing 21st-century competencies in a South African middle school music classroom

The study presents the comprehensive findings of a case study conducted in a Johannesburg middle school classroom. It shows the impact that a competency-based music curriculum can have not only on musical development, but also on the general educational development of learners. The study used reflexive, teacher-based methodologies and innovative online and face-to-face pedagogical methods, including project-based learning, gamification and blended learning, to explore how music education promotes key competencies that learners will need in the workplace of the future. It is the first study of its kind in South Africa and one of few such studies internationally.

Supervisor: Prof CE Lucia

NGWENYA, Similo (Science and Technology Studies)

Research production and research collaboration in Zimbabwe: A bibliometric study in context

The study represents the first in-depth bibliometric analysis of research production and research collaboration in Zimbabwe. Data for the analysis were obtained from three databases: Scopus, the Web of Science and the National Research Database of Zimbabwe. The latter was added to reflect on the value of using a national research database as an additional data source. A web-based survey of research collaboration was also conducted. The study provided profiles of research production and research collaboration of Zimbabwean organisations in the various national sectors and fields, and within four socio-political periods. Recommendations for further study and research policy are made.

Supervisor: Prof SC Boshoff

NYAKANA, Deniza Joash (General Linguistics)

Multilingual acquisition of determiner phrases in L2 English and L3 French by L1 Swahili speakers in Tanzania

Examining the acquisition of two or more foreign languages, acquired concurrently, is important for understanding the multilingual acquisition process and the interlanguage structures of multilingual learners. This study examined the concurrent multilingual acquisition of second-language English and third-language French determiner phrases, headed by articles, by Tanzanian first-language Swahili speakers. The results showed that apart from linguistic and other external factors, the type of multilingual acquisition process, in terms of the number of languages involved, can determine the type of interlanguage produced by a multilingual learner, and that transfer in multilingual acquisition is not necessarily facilitative.

Supervisor: Dr KM Huddleston
Co-supervisor: Prof ENE Bylund Spångberg

SIDOGI, Pfunzo (Visual Arts)

Unsettling segregation: The representation of urbanisation in black artists' work from the 1920s to the 1990s

This study explored representations of urbanisation produced by 20th-century black South African artists. Townships served as reservoirs for black labour in the margins of urban hubs. This resulted in selective and ambiguous integration for urbanised black populations. White scholars largely saw black urbanisation as a 'problem', and classified it as 'Township Art', a category that could not capture complex and layered urban black experience. Through consideration of the major forces that shaped urban black life, this study used Afropolitanism to arrive at alternate interpretations of the artistic representations of black urbanisation created by black artists, which ultimately unsettle white discursive binaries.

Supervisor: Prof L van Robbroeck

THERON, Cleo Beth (English)

Appraising the counterpoint: Bifocal readings of literary landscapes in the American Renaissance and post-apartheid South Africa

The study constituted an experimental 'bifocal reading' prompted by historical and literary parallels between the 'American Renaissance' of the mid-19th century and post-apartheid South Africa. It considered recent questions on the cogency of comparative and world literature, deploying bifocalism to evaluate the deeply contested phenomenon of land and land ownership. Land bears a metonymic relationship with the nation and is used by writers to depict struggles pertaining to democracy and national newness. Simultaneously, the intersections between these two literary traditions yield fruitful possibilities for thinking about questions of democracy beyond the national.

Supervisor: Prof ME Jones
Co-supervisor: Dr DW de Villiers

Fisiese Toekennings

(in-persoon)

Fakulteit Ekonomiese en
Bestuurswetenskappe

30 Maart - 09:00

Physical Awards

(face-to-face)

Faculty of Economic and
Management Sciences

30 March - 09:00



PROGRAM

Staan asseblief

Staan asseblief

Sit asseblief

Staan asseblief

1. Akademiese prosessie kom die saal binne.
2. Speel van die Nasionale Lied.
3. Formele konstituering deur die Kanselier.
4. Verwelkoming deur die Kanselier.
5. Voorstelling van die eredoktorandus en toekenning van die eregraad deur die Kanselier.
6. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Kanselier.
7. Sluiting deur die Kanselier.
8. Akademiese prosessie verlaat die verhoog.

PROGRAMME

Please stand

Please stand

Please sit

Please stand

1. Entrance of academic procession into the hall.
2. Playing of the National Anthem.
3. Congregation formally constituted by the Chancellor.
4. Welcome by the Chancellor.
5. Presentation of the candidate for the honorary doctorate and conferment of the degree by the Chancellor.
6. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Chancellor.
7. Closing by the Chancellor.
8. The academic procession leaves the stage.

EREGRAAD | HONORARY DOCTORATE

Fakulteit Ekonomiese en Bestuurswetenskappe Faculty of Economic and Management Sciences

Die graad Doktor in die Handelswetenskappe (DCom), aan The degree Doctor of Commerce (DCom), *honoris causa*, to

LOUISA MOJELA

vir haar visionêre leierskap om platforms te skep vir die bemagtiging van vroue in Afrika; vir haar innoverende bydrae tot die sosio-ekonomiese ontwikkeling van Suid-Afrika; en vir haar merkwaardige prestasies in die sakektor.

Louisa Mojela is as medestigter en jare lange uitvoerende groepshoof van Women Investment Portfolio Holdings (WIPHOLD) baie bekend in die korporatiewe wêreld in Suid-Afrika. WIPHOLD wy hulle toe aan die bemagtiging van vroue en die skepping van ontwikkelingsgeleenthede.

WIPHOLD het onder haar leiding gegroei tot die land se voorste beleggingsmaatskappy wat deur swart vroue besit en bestuur word, met beleggings ter waarde van miljarde rande in 'n wye verskeidenheid nywerhede. Meer as 200 000 swart vroue is begunstigdes met direkte aandeelhouding van 33,6% in die beherende maatskappy deur middel van die WIPHOLD Beleggingstrust en WIPHOLD NGO Trust.

Mojela het 'n BCom-graad aan die Nasionale Universiteit van Lesotho behaal en het ook die uitvoerende leierskapsprogram by die Wharton-sakeskool in Pennsylvania in die VSA suksesvol voltooi.

Sy is 'n bekende persoonlikheid in die Suid-Afrikaanse korporatiewe wêreld en het in die rade van maatskappye soos Distell, Sun International, Sasol Mining en die Life Healthcare-groep gedien. Sy het al verskeie toekennings vir haar sakeleierskap en ondernemingsgees ontvang. Sy het in Mei 2009 die eerste Afrika-sakeleierskaptoekenning, wat deur die Afrika-ontwikkelingsbank geïnisieer is, in Dakar ontvang. In 2010 het sy die Africa Economic Builders se entrepreneurtoekenning van die jaar in Abidjan in die Ivoorkus gewen.

for her visionary leadership in establishing platforms to empower women on the African continent; for her innovative contribution to the socio-economic development of South Africa; and for her remarkable achievements in the business sector.

Louisa Mojela is a well-known figure in corporate South Africa having been a co-founder and long-time group chief executive officer of the Women Investment Portfolio Holdings (WIPHOLD), a company dedicated to the empowerment of women and the creation of development opportunities.

Under her leadership, WIPHOLD grew to be the country's premier black women-owned and managed investment company with billions invested across a wide array of industries. More than 200 000 black women are beneficiaries who hold a direct share of 33,6% in the holding company via WIPHOLD Investment Trust and WIPHOLD NGO Trust.

Mojela graduated with a Bachelors in Commerce from the National University of Lesotho, and successfully completed the Executive Leadership Programme at Wharton Business School in Pennsylvania in the United States.

She is a well-known figure in corporate South Africa, and has served on the boards of companies such as Distell, Sun International, Sasol Mining and Life Healthcare Group Holding. She has received numerous awards for her business leadership and entrepreneurial spirit. In May 2009 she received the Inaugural African Business Leadership Award in Dakar, initiated by the African Development Bank, and in 2010 she won the Africa Economic Builders Entrepreneur of the Year award in Abidjan, the Ivory Coast.

Fakulteit Ekonomiese en Bestuurswetenskappe Faculty of Economic and Management Sciences

DOKTORALE KWALIFIKASIES | DOCTORAL QUALIFICATIONS

DOKTOR IN DIE WYSBEGEERTE DOCTOR OF PHILOSOPHY

DANIELS, Desiree Margaret (Business Management and Administration)

Scaling the value-creation capacity of non-profit organisations through an evolving partnering portfolio: Learning from a case in practice

This study sought to determine whether a positive causal association exists between the evolution of the interorganisational relations of a non-profit organisation (NPO) and the scale of capacity it enjoys. Established in 1989, Learn to Earn has become a hub NPO. The diversity of partner relations is sufficiently argued to provide empirical evidence for this enquiry. In the study, issues of NPO self-sustainability and the sustainability of the outcomes of its work stand central.

Supervisor: Dr A Smit
Co-supervisor: Dr JM Morrison

DAVIES, Megan Lynne (Public and Development Management)

South Africa's contested transition to energy democracy: Lessons and struggles emerging from the renewable energy Independent Power Producer Procurement Programme

This study makes a much-needed contribution to the field of energy and development studies in South Africa and globally. Research conducted to understand the meaningful implementation of criteria towards beneficial development outcomes is still scarce. The main contribution of this study is, however, empirical. This is a (rare) longitudinal study over a prolonged period, with insights gained from multiple perspectives. The study makes a valuable contribution, not only in the South African context, but also in terms of what other regions of the world may learn for the required global transition.

Supervisor: Prof M Swilling

DE VILLIERS-STRIJDOM, Jeannie (Business Management)

Annuity decision making

This study makes a theoretical contribution to the body of knowledge on retirement finance. It specifically makes a contribution to annuity decision making, both before and after retirement in South Africa. It also makes a valuable and practical contribution to the financial planning field. Furthermore, it provides information that could be used in regulatory development and policy innovations in the field.

Supervisor: Prof JD Krige
Co-supervisor: Prof JU de Villiers

GONDWE, Joel Roosevelt (Economics)

Manifestations of inequality in three developing countries: An investigation of differential education and labour market outcomes

This study investigated the way in which inequality manifests in three African countries, namely Malawi, Namibia and South Africa. In particular, the study interrogated the manifestation of inequality in respect of student outcomes, and also considered the effect of technological change on employment and wage inequality. It constitutes an important contribution to the literature on inequality, particularly in Africa, not least because of its use of various tools for examining socioeconomic status in relation to socioeconomic gradients in education.

Supervisor: Prof R Burger
Co-supervisor: Prof S van der Berg

HENRY-LINES, Heather Lynn (Business Management and Administration)

Cost-effectiveness analysis of radiofrequency ablation versus drugs for the treatment of atrial fibrillation in the South African population

This study entailed a systematic review of radiofrequency versus cryoablation for treating patients with paroxysmal atrial fibrillation and included 11 systematic reviews published between 2015 and 2018. It was found that there is little difference between cryoablation versus radiofrequency ablation for paroxysmal atrial fibrillation (PAF). Furthermore, the study focused on the cost-effectiveness of radiofrequency ablation versus anti-arrhythmic drug therapy for PAF in the South African private sector.

Supervisor: Prof R Burger

HOFMEYR, Heleen (Economics)

The role of non-cognitive skills in educational production in South Africa

This study investigated the relationship between non-cognitive skills and education outcomes in South Africa. The study's findings included that non-cognitive skills are strongly correlated with students who excel, with a focus on one of these non-cognitive skills, namely grit. It examined whether measures of grit can explain reading outcomes. The study also identified a strong gender gap in terms of education outcomes in South Africa, and investigated what could explain this gap. The hypothesis was that differences in non-cognitive skills between boys and girls could be one factor that contributes to the gender gap.

Supervisor: Dr G Wills
Co-supervisor: Prof S van der Berg

HOMPASHE, Dumisani Macdonald (Economics)

Essays on accountability and service delivery in education and healthcare in South Africa

This study makes an important contribution to knowledge by using self-generated and existing data to provide valuable insights into hitherto underresearched aspects. It is well documented that South Africa obtains poor returns from its relatively high levels of public spending on education and healthcare. In view of this, the effectiveness and accountability of the frontline providers of such social services are particularly important, albeit complex, research topics.

Supervisor: Dr A Smith
Co-supervisor: Prof S van der Berg

KAMARA, Richard Douglas (Public and Development Management)

Cooperative governance and local economic development in selected small towns in the Western Cape province

This study entailed an assessment of cooperative governance that informs and fosters local economic development specific to small rural towns in the Western Cape. Research asserts that some municipalities are more successful at enabling local economic development, while some, mainly rural, municipalities struggle in their efforts to sustain such initiatives to improve the quality of life of citizens. The study focused on factors that impinge on sustained local economic development.

Supervisor: Prof B Rabie

MUZATA, Tapera Gilbert (Economics)

A critical examination of collusion, the pricing behaviour of a multi-product cartel and the cartel enforcement record in South Africa

This study provides details on cartel stability and the factors that may support this, and some characteristics of cartels in South Africa are provided. It entails an interesting discussion of forms of communication between cartel members, the duration of cartels, vertical aspects and the role of international trade (and cartels, excluding imports). Multi-product cartels are also described. The vertical dimension of cartels in South Africa is especially interesting, together with the extensive focus on the exclusionary conduct of certain cartels.

Supervisor: Prof W Boshoff

NYIKA, Farai Donald (Economics)

Early effects and legacies of Cape Colony legislation on black disenfranchisement, education and migration

This study investigated three laws passed in the Cape Colony that stripped Africans of their right to vote. It focused on four themes, namely legislation, education, land and labour market. The aim of the study was to investigate the extent of disenfranchisement in the Cape Colony and the general effects this had on the education of black people. The research objectives included a critical review of the literature on Cape Colony disenfranchisement and a reassessment of the effect on the voter rolls, an analysis of the impact of disenfranchisement on primary school outcome and an investigation into the relationship between education and internal migration.

Supervisor: Prof J Fourie
Co-supervisor: Dr D Shepherd

ROOS, Mariaan (Public and Development Management)

Practice, practitioners and praxis of audit committees in South African local government: A case study

This was a well-demarcated study conducted on audit committees within the South African local government context. It entailed applying, analysing, synthesising and evaluating information gathered from existing literature as well as generated through experience in the research environment (audit committees), supplemented by reflection and reasoning. The audit committee is an important pillar in corporate governance and plays a key role in the governance process.

Supervisor: Prof APJ Burger
Co-supervisor: Dr L Mortimer

VAN JAARSVELD, Rossouw (Economics)

The econometrics of discrete structural change and its applications in models of price overcharge

This study considered the procedures that may be used for the dating of structural breaks and the effect of non-stationarity on the results of tests for structural breaks. After considering the results for various structural break tests that are applied to simulated data, it utilised real-world data in an attempt to identify specific periods where a price-fixing cartel may have increased prices in a way that is harmful to consumers, where such movements in price are not driven by market determinants. The study contributes to the field of economics, the practice of cartel dating and overcharge estimation.

Supervisor: Prof W Boshoff

Fisiese Toekennings

(in-persoon)

Fakulteit Geneeskunde en
Gesondheidswetenskappe

30 Maart - 13:00

Physical Awards

(face-to-face)

Faculty of Medicine and
Health Sciences

30 March - 13:00



PROGRAM

Staan asseblief

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6. Closing by the Vice-Chancellor.
7. The academic procession leaves the stage.

Fakulteit Geneeskunde en Gesondheidswetenskappe

Faculty of Medicine and Health Sciences

DOKTORALE KWALIFIKASIES | DOCTORAL QUALIFICATIONS

DOKTOR IN DIE WYSBEGEERTE DOCTOR OF PHILOSOPHY

AFUNGCHWI, Glenn Mbah (Paediatrics)

Improving early diagnosis and referrals to life-saving care for children with cancer in Cameroon

This study investigated the management of childhood cancer in Cameroon during a 20-year period, especially its incidence in Northwest Cameroon; the use of traditional medicine; association of survival with poverty; and the success of a childhood cancer capacity-building programme for healthcare workers. Crucial findings documented the improvement in childhood cancer survival, the incidence of childhood cancers and success of a childhood cancer registry, the common use of traditional medicine prior to diagnosis and the need for additional support for single-mother households to improve survival, and provided a framework for an easy, affordable, implementable childhood cancer training programme in low-income settings.

Supervisor: Prof M Kruger

Co-supervisor: Prof PB Hesselning

BAATJIES, Lucinda (Molecular Biology)

Investigation of the expression and immunogenicity of Mycobacterium tuberculosis Rv1460

Host immune biomarkers have utility in the diagnosis and treatment of infectious diseases; however, the current set of tuberculosis biomarkers is limited. Rv1460 protein is produced by *Mycobacterium tuberculosis* during infection and may therefore have diagnostic potential. This study explored the regulation and expression of Rv1460 within *M. tuberculosis* and the host immune response to Rv1460 protein in infected and uninfected individuals. A fluorescent reporter system was used to demonstrate the induction of the Rv1460 gene in a subset of bacteria during intracellular growth. Immunological assays suggested that Rv1460 protein is not highly immunogenic under the conditions tested.

Supervisor: Dr MJ Williams (external)

Co-supervisor: Prof AG Loxton

CHARANIA, Sana (Medical Physiology)

The relationship between carotid intima-media thickness, serum biomarkers of cardiovascular disease and HIV infection in a South African study population

HIV infection is associated with a two-fold increased cardiovascular risk; however, associations with early vascular changes in HIV-related cardiovascular disease progression are poorly understood. This study, utilising cross-sectional and longitudinal models, investigated whether HIV infection and antiretroviral therapy (ART) were associated with subclinical atherosclerosis (carotid intima-media thickness), endothelial (dys) function and circulating biomarkers in Western Cape participants. The results showed that ART-exposed HIV-infected participants presented with lower subclinical atherosclerosis and endothelial dysfunction measurements, underpinned by more favourable cardiovascular risk profiles and immune suppression. Furthermore, age was an independent predictor of subclinical atherosclerosis, while viral load was independently and inversely associated with endothelial function.

Supervisor: Prof H Strijdom

Co-supervisor: Dr H Cyster

Co-supervisors: Profs P De Boever, N Goswami (external)

CHILESHE, Josephine (Molecular Biology)

Identification of immunological biomarkers for detection of Mycobacterium bovis infection in African rhinoceros

This research included studies focused on the detection of biomarkers and their potential diagnostic use for *Mycobacterium bovis* infection in naturally exposed African rhinoceros. With the recent discovery of tuberculosis in wild rhinoceros, there was a requirement to develop diagnostic tests for these species. This study developed and validated an interferon-gamma release assay that can be used to screen blood from black and white rhinoceros as well as characterise cytokine gene expression assays that can be used to distinguish between *Mycobacterium bovis*-infected and uninfected rhinoceros. These findings are significant contributions to the knowledge and management of animal TB.

Supervisor: Prof MA Miller

Co-supervisor: Prof SDC Parsons

KALI, Gugulabembuna Tenjiwe Jabulile (Paediatrics)

A comparative study of neuroprotective strategies in neonatal hypoxic ischaemic encephalopathy

Hypoxic ischaemic encephalopathy (HIE) is a public health concern. Therapeutic hypothermia (TH) is an effective therapy that reduces neonatal mortality and disability. This study assessed the feasibility, safety and long-term outcomes of TH in HIE, compared TH to TH plus morphine and determined pharmacokinetic profiles of morphine in serum and cerebrospinal fluid in infants treated with TH plus morphine. TH was found feasible and safe and survivors had good outcomes (at one year of age: 82% normal; 18% impairment). Morphine plus TH was tolerated well, and may confer added neuroprotection ($p = 0.07$). Toxic concentrations were not found at the administered dose of morphine.

Supervisor: Prof J Smith

Co-supervisor: Prof M Rutherford (external)

LÜCKHOFF, Hilmar Klaus (Psychiatry)

Metabolic syndrome risk factor associations with clinical, functional and cognitive outcomes during the first year of treatment in schizophrenia spectrum disorders

Individuals with schizophrenia are at increased risk of metabolic syndrome and its cardiovascular consequences. This series of studies investigated relationships between metabolic syndrome, antipsychotic treatment and treatment outcome in first-episode, minimally treated patients. Results showed that pretreatment lower body mass was associated with disrupted brain white matter connectivity and poorer cognitive performance. Antipsychotic treatment resulted in an increase in body mass and lipid profile changes that were correlated with symptom and cognitive improvements, indicating a key role for lipids in the underlying neurobiology of schizophrenia and treatment efficacy.

Supervisor: Prof RA Emsley

Co-supervisors: Drs S Plessis, S Kilian

MEYER, Rhoda (Health Professions Education)*The private healthcare context as an environment for learning: A case study*

The learning environment is key to the successful implementation of curricula. Traditionally, the education of healthcare professionals has occurred at tertiary institutions. However, the need to increase the number of healthcare professionals, including nurses, has seen a shift to private healthcare training. Situated within an interpretivist paradigm, this qualitative study explored how this particular environment influences the learning experiences of nursing students. It highlighted several factors influencing interactions between students and the learning environment, including how competing institutional priorities created tension, the need for flexibility in dealing with contextual variation and the complexity inherent within the organisational culture and structure.

Supervisor: Prof SC van Schalkwyk
Co-supervisor: Dr E Archer

NKHATA, Loveness Anila (Physiotherapy)*The effect of a back pain campaign on back beliefs, coping strategies and participant activation for nurses in Lusaka, Zambia*

Back pain is highly prevalent in nurses. In low- and middle-income settings, opportunities for modifications are limited and work strain is high due to factors such as workforce limitations. The study assessed the effectiveness of a cross-culturally validated back pain campaign for nurses in Lusaka to improve education about evidence-based back care. Evidence-based back pain messages were cross-culturally validated for Zambian nurses. The back pain campaign showed positive trends in coping strategies, use of pain medication, frequency of doctor visits and number of sick-leave days. The campaign has the potential to promote healthy behaviours among nurses.

Supervisor: Prof QA Louw
Co-supervisors: Drs Y Brink, D Ernstzen

NOTHLING, Jani (Psychiatry)*Epigenomic analysis of posttraumatic stress disorder in female rape survivors in South Africa*

This study investigated the socio-demographic, psychological and epigenetic pre-, peri- and post-trauma risk and protective factors associated with the development and trajectory of posttraumatic stress disorder (PTSD) following rape exposure, over a period of six months. Baseline depression and rape stigma were significant psychological risk factors for the development of PTSD. Differential methylation in a number of genes, including adenylate cyclase-activating polypeptide I, were associated with changes in PTSD symptom score over time. Rape carries a high conditional risk for PTSD, hence the identification of underlying mechanisms contributing towards the aetiology and course of PTSD in the aftermath of rape may guide future therapeutic interventions.

Supervisor: Prof S Hemmings
Co-supervisor: Prof S Seedat
Co-supervisor: Prof N Abrahams (external)

PATEL, Oelfah (Pharmacology)*Interaction of Aspalathus linearis (rooibos) with glucose and lipid-lowering medications*

Natural products are increasingly used with chronic medicines. This study investigated the interaction of an aspalathin-rich green rooibos extract (GRT) with oral antidiabetic medications (pioglitazone and glyburide) and the cholesterol-lowering drug atorvastatin. In vitro, GRT inhibited the cytochrome P450 enzymes CYP2C8 and CYP3A4 and increased atorvastatin plasma concentrations in Wistar rats. In combination, GRT improved the efficacy of both pioglitazone and atorvastatin in reducing blood glucose and triglyceride levels, and reduced hepatic steatosis in obese and diabetic db/db mice. However, as GRT alters the pharmacokinetics of atorvastatin, GRT should be consumed with caution by patients on high-dose atorvastatin.

Supervisor: Prof CJF Muller
Co-supervisor: Dr C Awortwe
Co-supervisors: Profs B Rosenkranz, EJ Joubert (external)

SAHD, Lauren (Anatomy)*The anatomy of seismic signalling: Morphological adaptations to the hind limb of drumming and non-drumming African mole rats (Bathyergidae)*

Hind foot drumming is a form of seismic signalling used by mammals during courtship and territorial behaviour. Certain species of African mole rats exhibit extensive hind foot drumming. This study examined whether the hind limb musculoskeletal anatomy of two drumming African mole rat species was adapted to enable the production of these seismic signals compared to a non-drumming species. Detailed dissections, muscle and bone morphometry, muscle fibre typing and micro-CT scans confirmed robust femurs and tibias, and identified a potential key muscle (m. gracilis anticus) enabling the production of these seismic signals in the two drumming species.

Supervisor: Prof SH Kotzé
Co-supervisor: Prof N Bennett (external)

SKOSANA, Bongekile Trisha (Medical Physiology)*An investigation of obesity as an aetiology of male infertility in a rat model*

To test the effects of obesity on male fertility, an animal model of diet-induced chronic obesity was developed in this study. Estradiol levels were raised, while testosterone remained unaffected, potentially masking other detrimental changes due to this compensatory mechanism. Histology showed testicular and epididymal structural changes. Sperm viability and morphology were also negatively affected. Proteomics of the epididymis and spermatozoa revealed alterations in metabolic pathways and structural proteins involved in cytoskeletal organisation and sperm motility. These changes were possibly brought on by increases in inflammatory, redox and heat shock proteins. Therefore, chronic obesity may impair male reproductive parameters through various pathways.

Supervisor: Prof SS du Plessis
Co-supervisors: Prof G van der Horst, Dr E Marais
Co-supervisor: Dr G Aboua (external)

VAN HEERDEN, Jaques Johan (Pediatrics)*The management and outcomes of neuroblastoma in South Africa*

This study investigated the incidence and management of neuroblastoma in South Africa. Neuroblastoma incidence was low at 2.6 cases/million children, with excellent survival for low-risk disease, but poor for high-risk disease. Age was a significant prognostic factor. Ferritin and lactate dehydrogenase were good predictive tumour markers in the absence of sophisticated molecular tumour markers. The least toxic treatment regimen was OPEC/OJEC. Surgery and radiotherapy for high-risk disease significantly improved five-year overall survival. There were major disparities in healthcare provision in South African provinces. Implementation of the national neuroblastoma single-arm clinical trial in South Africa was challenging due to navigational bureaucratic challenges.

Supervisor: Prof M Kruger

Fisiese Toekennings

(in-persoon)

Fakulteite

Opvoedkunde
Teologie
Regsgeleerdheid
Krygskunde

31 Maart - 09:00

Physical Awards

(face-to-face)

Faculties

Education
Theology
Law
Military Science

31 March - 09:00



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Fakulteit Opvoedkunde | Faculty of Education

DOKTORALE KWALIFIKASIES | DOCTORAL QUALIFICATIONS

DOKTOR IN DIE WYSBEGEERTE DOCTOR OF PHILOSOPHY

DAVIDSE, Zenobia Alethea Angelica (Curriculum Studies)

Learning by design: Enhancing the digital literacy of adult learners in a blended learning environment

This study investigated ways in which adult learners' digital literacy could be enhanced for effective learning to occur. Educational design research was used as methodology to investigate, design, implement and evaluate a series of interventions, and to develop theoretical design principles for blended learning for adult learners. The Covid-19 pandemic demonstrated how collaboration, sharing of expertise, learning from experience and consideration of the multiple factors that impact the learning environment can result in collaboration to design, refine and improve technology adoption in teaching and learning.

Supervisor: Prof M Fourie-Malherbe
Co-supervisor: Dr A van der Merwe

KRIGER, Samantha (Curriculum Studies)

Music teaching and the integration of music education in the Grade one curriculum

This study on the practice of music education in grade one classrooms examined how teachers understand the value and importance of music education, and investigated what music teachers actually do in classrooms. The study investigated to what extent teachers integrate music into the Life Skills curriculum. Using contingency theory as the conceptual framework, the study found that whether, how and to what extent music education transpired in grade one classrooms were largely contingent on factors such as the available resources for teaching and learning music, the utilisation of those resources when available and the non-examination status of the subject.

Supervisor: Prof JD Jansen

RINQUEST, Elzahn (Education Policy Studies)

The place-making pedagogical practices of teachers in an inclusive high school

This study explored the place-making pedagogical practices of six high school teachers at their special-needs school. It investigated the historical unfolding of the school's institutional culture, how teachers position themselves with respect to the school's discourses and how they 'made their place' through their pedagogical practices outside and inside their classrooms. The study was based on an ethnographic research approach and Henri Lefebvre's theory on the 'trilectics of space'. The argument presented in the study is that the selected teachers actively enacted their place-making pedagogical practices within their school's specific institutional discourses and dynamics.

Supervisor: Prof A Fataar

RODRIGUES-LOSADA, Ricardo Jacinto (Curriculum Studies)

High school Mathematics teachers' learning experiences during a professional development intervention to improve their understanding of functions using GeoGebra

This qualitative study investigated a selected number of Namibian high school Mathematics teachers' learning experiences during a professional development intervention aimed at improving the understanding of functions using GeoGebra. Sampling of the participants was guided by purposive sampling procedures. Five workshops of two to three hours each were held with the selected teachers. The findings indicated that teachers benefited significantly from the use of GeoGebra. The findings also revealed that in its design, GeoGebra affords the possibility of pragmatic and epistemic opportunities with respect to the teaching and learning of functions.

Supervisor: Dr MF Gierdien

SIMBA, Precious (Education Policy Studies)

A feminist critique ubuntu: Implications for citizenship education in Zimbabwe

The study considered citizenship education in Zimbabwe through the lens of a feminist critique of *ubuntu*. When *ubuntu* is prescribed narrowly as a series of observable ethics, there are challenges in dislodging male-centred privileges, which culminate in moral dimensions of education that are gendered and engendering. Drawing from Nguni languages, this study conceived of *ubuntu* as a framework of encounter that equips feminist scholarship in education to resist toxic scripts that are associated with performative aspects of *ubuntu*. *Ubuntu* as a framework of encounter opens opportunities for citizenship education that are couched in a transformative feminist ethics of care.

Supervisor: Prof N Davids

TAYLOR, Anna Maria Magdalena (Kurrikulumstudie)

Die integrasie van leertegnologie deur vermengde leer in die onderrig van Afrikaans Huistaal

'n Wêreldwye en plaaslike evolusie van tegnologie het 'n nuwe dimensie tot onderrig en leer in die skoolklaskamer gevoeg. Hierdie studie het derhalwe 'n ondersoek behels na die wyse waarop leertegnologie in Afrikaans Huistaal-onderrig geïntegreer word. Die studie was geanker in die filosofie van die pragmatisme en lewer 'n onteenseglike bydrae tot die gebied van rekenaargesteunde taalonderrig in Afrikaans met betrekking tot die konsep van vermengde leer. Die studie, 'n kollektiewe gevallestudie met 'n gemengdemetodebenadering, beveel die ontwikkeling van 21ste-eeuse vaardighede deur rekenaargesteunde taalonderrig op 'n relevante, toegepaste en kurrikulumgerigte wyse vir rolspelers op verskillende vlakke aan.

Promotor: Dr M van der Merwe
Medepromotor: Dr SC Strydom

Fakulteit Teologie | Faculty of Theology

DOKTORALE KWALIFIKASIES | DOCTORAL QUALIFICATIONS

DOKTOR IN DIE WYSBEGEERTE DOCTOR OF PHILOSOPHY

CAMPBELL, Sheldon Kirk Yohannes Campbell (Ecclesiology)

Calvinistic Baptists in Jamaica? A historical-theological study of the relationship between the theology and work of five pioneering missionaries in Jamaica

In an unabashedly pro-Calvinist and pro-missionary study, this study analysed the lives of five Baptist 18th- and 19th-century missionaries to Jamaica in order to ascertain the extent to which these missionaries might have been influenced by Calvinist doctrines and ideas, or not. The study concluded that Calvinism did indeed serve as a significant factor in their lives and in their work. In the process, an interesting narrative of the history of early Christianity in the Caribbean was constructed, which is an underresearched area in church history – therein lies the true value of this study.

Supervisor: Prof R Muller

Co-supervisor: Prof DA Forster

DU TOIT, Matthys Michielse (Praktiese Teologie)

Op soek na 'Gereformeerde roepingsverstaan' in postapartheid-Suid-Afrika: 'n Prakties-teologiese ondersoek met die oog op lidmaatsbemaatiging

Gereformeerde roeping kan beskryf word as dít wat uit God se verhouding met ons voortvloei, deur ons begeertes beïnvloed word en deur ons postapartheid-konteks en postmoderne tydsgees in Suid-Afrika 'n spesifieke fokus kry. In hierdie prakties-teologiese ondersoek het dié studie van gegronde teorie gebruik gemaak om aan die hand van kwalitatiewe onderhoude met lidmate en Gereformeerde leraars 'n praksis-teorie te ontwikkel vir die bemaatiging van lidmate. Sosiale konstruktivisme is ingespan om induktief 'n praktykgerigte kernmodel te ontwikkel wat as analitiese raamwerk benut is om aan die hand van vyf fokusareas roeping vanuit 'n Gereformeerde perspektief te belig.

Promotor: Prof Ian Nell

FOURIE, Wynand (New Testament)

Paul's spirituality in Phil 3:1–11: The role of the Bible in Christian spirituality

As privileged text of Christian spirituality, the Bible provides rootedness and direction for believers. Its limited and irresponsible use, however, leads to problems ranging from neurosis to violent behaviour. Phil 3:1–11 served as a case study to highlight the Bible's valuable contribution to the assessment of religious experience, using the theological categories of justification, adoption and sanctification. Paul's scriptural consideration of his experience of the resurrected Jesus functioned as antidote to the internal pressure of the faith community he addressed to adopt new, culturally aligned theological interpretation. The study suggests biblical conscience-formation as valuable resource for contemporary Christianity's external pressures.

Supervisor: Prof J Punt

HUTCHISON, Daniel Allen (Old Testament)

Exodus in 2 Chronicles 10–36: An exegetical study on inner-biblical allusion

A new interest in Chronicles studies has emerged recently, focusing on how Chronicles refers to older biblical material. Focusing on 2 Chronicles 10–36, this study's contribution is a systematic evaluation of how Chronicles alludes to the book of Exodus and how those allusions impact the rhetorical arguments of the book. Chronicles uses an assortment of lexical, conceptual and structural markers, although shared language is the primary method. Each of the allusions to Exodus has one or more of the following uses: moral evaluation, elevating the temple and priesthood, establishing and reaffirming a standard or truth, exegesis and encouragement.

Supervisor: Prof LC Jonker

LAUBSCHER, Martin (Sistematiese Teologie)

Publieke teologie as profetiese teologie? 'n Kritiese beskouing van die sosio-ekklesiologiese implikasies van die drieërlei amp in die teologie van Karl Barth

Daar is 'n immer dringende, dog dubbelsinnige vraag na die kerk se openbare rol in ons samelewing. Is die vraag na publieke teologie in Suid-Afrika sedert demokrasiewording ook (nog steeds) 'n vraag na profetiese teologie? 'n Teoloog wat om verskeie redes 'n eiesoortige en tydige antwoord hierop verskaf, is Karl Barth. Vir hom skuil die betekenis van Christus se profetiese amp in die aanhoor van die van-Self-sprekende wat algaande ons insluit by sy getuieis van dié bevrydende waarheid wat bestem is vir die wêreld. Die Woord gebeur, getuig van hui- asook heilgeskiedenis, en beur ons (stroom) op vorentoe.

Promotor: Prof DA Forster

STANDER, Reinhardt Roaan (Systematic Theology)

Preterism, futurism or historicism? A theological analysis of three interpretive schools of apocalyptic prophecy within the doctrine of the last things

The rising interest in eschatology (the doctrine of the last things) has given occasion to various interpretations of apocalyptic prophecy – even to the extent of dubiously influencing politics and theocratic movements. This study analysed the different hermeneutical assumptions of three interpretative schools of apocalyptic prophecy within Christian evangelical theology: preterism, which assigns apocalyptic prophecy's fulfilment to the past; futurism, which consigns fulfilment to the future; and historicism, which disperses fulfilment throughout the lapse of history. The study developed an analytic model whereby the three interpretative schools were critically evaluated. The consequential proposal from this study favours a historicist hermeneutic.

Supervisor: Prof RR Vosloo

Fakulteit Regsgeleerdheid | Faculty of Law

DOKTORALE KWALIFIKASIES | DOCTORAL QUALIFICATIONS

DOKTOR IN DIE REGSGELEERDHEID DOCTOR OF LAWS

CLOETE, Clireesh Terry (Public Law)

The consequences of a successful estoppel defence: A constitutional analysis

The doctrine of estoppel ordinarily entails the suspension of the owner's rei vindicatio and hedged possession in favour of the successful estoppel raiser. However, uncertainty exists regarding whether the traditional position now results in compulsory loss of ownership. Considering this uncertainty, this study analysed the consequences ascribed to estoppel and questioned whether development could be justified based on comparative, policy and constitutional grounds. The study proposes a new self-standing mode of acquisition of ownership that would not only be constitutionally compliant, but would also allow for the debate on the consequences of a successful estoppel defence to finally be settled.

Supervisor: Prof ZT Boggenpoel

DE BEER, Philip Johan (Mercantile Law)

The legal nature of debt securities in South African law

This study ascertained the legal nature of debt securities in a manner that is consistent with the relevant positive law. It first considered the legal history of these instruments. It then posited that securities comprise two interdependent but functionally separate legal objects: the 'security instrument', understood as incidents of determination, and the 'security asset', representing the incidents of enjoyment. It then classified debt securities by application of a typological approach. Necessary and possible classificatory indicia that can be used to achieve this were outlined. The study finally illustrated the explanatory and problem-solving value of this description of debt securities with reference to aspects such as transfer, the granting of limited real interests and good faith acquisition of securities.

Supervisor: Prof PJ Sutherland

DONALD, Megan Elizabeth (Public Law)

Greening the covenant: Integrating environmental considerations in the interpretation of state parties' obligations under Article 2(1) of the International Covenant on Economic, Social and Cultural Rights

The realisation of economic, social and cultural rights is inextricably linked to the condition of the environment. Despite this, environmental rights and economic, social and cultural rights have tended to operate as discrete fields of law, with a dearth of scholarly literature focusing on their interrelationship. This study aimed to bridge this divide by developing a methodology for integrating environmental considerations into the interpretation of state parties' obligations under the International Covenant on Economic, Social and Cultural Rights. A number of proposals were made on how economic, social and cultural rights should be interpreted, taking into account planetary boundaries and the preservation of natural resources for the benefit of present and future generations.

Supervisor: Prof S Liebenberg

KREUSER, Charlene (Public Law)

Developing the right to education in the context of regional African human rights law: Protecting children with non-heteronormative sexual orientations, non-binary gender identities or gender expressions

The study aimed to establish a purposive interpretation of the right to education under the African Charter on Human and Peoples' Rights, the African Charter on the Rights and Welfare of the Child and the Protocol to the African Charter on Human and Peoples' Rights on the Rights of Women in Africa, which protects children with non-heteronormative sexual orientations or non-binary gender identities or gender expressions. The study departed from the primary assumption that non-heteronormative sexual orientation and gender identity and expression rights are protected under African regional human rights law because all persons, due to their inherent dignity, are equally entitled to their rights, including the right to education.

Supervisor: Prof A Rudman

NGWENYAMA, Lerato Rudolph (Public Law)

A common standard of habitability? A comparison between tenants, usufructuaries and occupiers in South African law

This study analysed whether a common standard of habitability exists for dwellings occupied by tenants, usufructuaries and occupiers, whether a minimum standard of habitability can be derived from the Constitution and on whom the obligation rests to ensure such a standard. The study concluded that currently, no common standard of habitability exists across all three categories. However, it was argued that the Constitution imposes a minimum standard that eventually forms the baseline in all three categories, so that various constitutional rights, especially the right to human dignity, are given effect to by the requirement that dwellings must be habitable.

Supervisor: Prof ZT Boggenpoel

OYUGI, Phoebe Akinyi (Public Law)

Plea negotiation at the International Criminal Court: Opportunities and costs

This study examined the desirability and feasibility of plea negotiation at the International Criminal Court (ICC). Three aspects were considered: (i) the challenges facing the ICC that might be mitigated by the implementation of plea negotiation; (ii) whether plea negotiation would fit into the legal and procedural framework of the ICC; and (iii) lessons learned from the practice of plea negotiation in selected national jurisdictions and international tribunals. It is argued that the ICC should implement plea negotiation, as it fits in the ICC's legal and procedural framework and can help to mitigate some of the legal, procedural and political challenges facing the ICC.

Supervisor: Prof G Kemp

RASEROKA, Refilwe Sedoi (Private Law)

Widows, land, property and inheritance rights: An analysis of affirmative action proposals in Botswana's 2015 Land Policy, with a legal comparative dimension

The study examined policy proposals on affirmative action to protect the inheritance rights of widows. It found that the narrow focus on widows alone was problematic and unconstitutional. The proposals disregard the effect of patriarchy, legislative gaps and constitutional privileging of customary law, impacting upon inheritance, gender equality and human dignity of women in general. With reference to South African developments, the study noted that more than affirmative action was needed, including an urgent constitutional review, the better use of existing remedies and promulgation of legislation on intestate succession, dignity and gender equality, underpinned by *botho/ubuntu* values.

Supervisor: Prof JM Pienaar

STROHWALD, Annemarie (Private Law)

The child's rights to, in and through basic education: An analysis of South Africa's international obligations

This study examined South Africa's international obligations in relation to the child's rights to, in and through basic education. Following a child-centred approach founded on the Convention on the Rights of the Child, the model for compliance was introduced and applied in order to measure whether the South African government has fulfilled its international obligations. Consisting of both a normative framework and a practical framework, the value of the model for compliance is clear, as it provides content to the different dimensions of the right to basic education and affirms its value as an empowerment right.

Supervisor: Prof CS Human

Co-supervisor: Dr D Horsten

Fakulteit Krygskunde | Faculty of Military Science

DOKTORALE KWALIFIKASIES | DOCTORAL QUALIFICATIONS

DOKTOR IN DIE WYSBEGEERTE DOCTOR OF PHILOSOPHY

RASETSHWANE, Bushy Simon (Military Science)

The influence of the business environment on Botswana's public procurement process and its impact on military capability

Military procurement is conducted in a complex business environment that has the potential of consequential impact on military capability. In contributing to the limited literature, this study investigated how military procurement has been influenced by the business environment and how this has impacted on the Botswana Defence Force's capability for the period 2008 to 2018. The study concluded that Botswana's defence procurement requires total structural reforms, which include proper placement of the procurement function, engagement of civil professionals, the development of a security and defence policy, as well as the development of a procurement model in pursuance of the national development goals in support of the current Fourth Industrial Revolution debate.

Supervisor: Prof KI Theletsane

Fisiese Toekennings
(*in-persoon*)

Fakulteit Ingenieurswese
(Groep I)

31 Maart - 13:00

Physical Awards
(*face-to-face*)

Faculty of Engineering
(Group I)

31 March - 13:00



PROGRAM

Staan asseblief

Staan asseblief

Sit asseblief

Staan asseblief

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3. Formele konstituering deur die Kanselier.
4. Verwelkoming deur die Kanselier.
5. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Kanselier.
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PROGRAMME

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2. Playing of the National Anthem.
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4. Welcome by the Chancellor.
5. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Chancellor.
6. Closing by the Chancellor.
7. The academic procession leaves the stage.

Fakulteit Ingenieurswese (Groep 1) | Faculty of Engineering (Group 1)

DOKTORALE KWALIFIKASIES | DOCTORAL QUALIFICATIONS

DOKTOR IN DIE WYSBEGEERTE DOCTOR OF PHILOSOPHY

BARNARD, Arno (Electronic Engineering)

Establishing a viable and reliable proton-induced single-event effect test methodology and environment at iThemba LABS in South Africa

This study detailed the establishment of a new proton-induced single-event effect testing environment at iThemba LABS, the first of its kind in Africa and the Southern Hemisphere. The design, development and verification of the methodology and environment, using a novel beam loss monitor-based dosimetry system, are presented. Validation of the test facility design was done through in-beam measurements using 66-MeV and 200-MeV protons. The generated beam profiles complied with international standards. A viable testing environment for satellite researchers and industry to test candidate spacecraft electronics and improve radiation mitigation techniques was established through this research.

Supervisor: Prof WH Steyn

BAKKER, Frederik Pierre (Civil Engineering)

Characterisation of the South African extreme wind environment relevant to standardisation

Wind-loading specifications in structural design rely on analyses of extreme wind data collected at weather stations throughout South Africa. This study expanded the quantity and scope of the available extreme wind dataset by streamlining the quality control process and innovatively combining measurements in a multi-station context. An extreme wind-loading model was developed that minimises the error associated with combining local and regional data by balancing the bias-variance trade-off in the model. The outcomes of this effort were then used to recommend refinements to the South African wind-loading standard used by engineers striving for safe and efficient designs.

Supervisor: Prof C Viljoen

Co-supervisor: Dr NPJ de Koker

BOSMAN, Adele (Civil Engineering)

High dam scour hole geometry prediction for plunging jets on bedrock

A scour hole will form in the plunge pool bed downstream of a dam if the energy dissipation of the jet issued from the spillway is underestimated. This study predicts the equilibrium scour hole geometry downstream of high head dams to ensure stability of the dam foundations. Both physical and numerical modelling were undertaken to investigate rock scour. Regression formulae for the equilibrium scour hole geometry were developed. A three-dimensional two-phase computational fluid dynamics numerical model was developed that incorporated the new regression formulae and is capable of simulating the scour hole geometry if the jet diffusion is simulated accurately.

Supervisor: Prof GR Basson

DALTON, Amaris (Electrical Engineering)

The role of atmospheric state classification in understanding wind power variability with specific applications to ramp event discernment and probabilistic power flow analysis

This study consisted of four papers investigating two problems: firstly, the relationship between wind power variability and causative weather systems, which remains poorly understood; and secondly, how to represent atmospheric circulation during a probabilistic power flow analysis for power systems with considerable wind power. To this effect, two novel methodologies were developed: The first allows the user to determine the statistical regularities in the occurrence of significant wind power ramp events, while the second illustrates how probabilistic properties of wind power plants can be derived by clustering historic wind power data as a function of the concurrent atmospheric states.

Supervisor: Dr B Bekker

DORFLING, Martinus David (Electrical Engineering)

Generalised model-predictive pulse pattern control based on small-signal modelling

Optimised pulse patterns (OPPs) are known for their superior harmonic performance. OPPs are particularly beneficial for industrial power electronic systems that operate at low switching frequencies. However, designing a controller with a high dynamic performance for OPP-modulated converters is a difficult task. Although control algorithms exist that address the control of first-order converter systems, the control of higher-order converter systems is a largely unexplored topic. A control technique is proposed that addresses the control of higher-order converter systems modulated by OPPs. The controller combines the superior harmonic performance of OPPs during the steady state with a high dynamic performance during transients.

Supervisor: Prof HdT Mouton

Co-supervisor: Prof T Geyer

DU PLESSIS, Armand André (Electrical Engineering)

Short-term power output forecasting for large multi-megawatt photovoltaic systems with an aggregated low-level forecasting methodology

Photovoltaic (PV) system power supply is characteristically intermittent. With forecasting models traditionally trained as macro-level solutions, an aggregated low-level forecasting methodology is proposed to better account for low-level, non-uniform PV system power output dynamics. With the use of deep learning models, multi-step forecasts are delivered one to six hours ahead for a 75-MW PV system. The results generated by these deep learning models demonstrate an increase in forecasting accuracy for the proposed aggregated inverter-level forecasts. The application of deep learning models, as macro-level forecasting solutions, demonstrates a noteworthy ability to capture low-level PV system behaviour.

Supervisor: Dr AJ Rix

Co-supervisor: Dr JM Strauss

FOUCHÉ, Nanine (Civil Engineering)*Geotechnical characterisation of the upper quaternary sands of the Cape Flats*

Understanding the geotechnical properties of the Witzand, Springfontyn and Langebaan formations that underlie the Cape Flats is essential for development of the area. This study represents the first major contribution towards characterising these sandy soils in terms of their physical properties and engineering behaviour. Data from previous investigations and additional testing were assembled and used to assess influencing factors and spatial variation. Potential geotechnical problems were identified together with the use of these sands as construction materials. The findings of this research can guide the planning and execution of future site-specific investigations, including the use of new investigation techniques.

Supervisor: Prof PW Day
Co-supervisor: Dr M de Wet

LE ROUX, Paul (Electronic Engineering)*Methods that improve high-frequency single-flux-quantum design*

Various methods were developed in this study to improve high-frequency superconductor single-flux-quantum (SFQ) electronics design. A new 2D quasi-transverse magnetic method was developed to calculate accurate transmission line properties of superconductor structures. The vector-fitting algorithm was extended to exactly account for superconductor effects. A new yield optimisation method, the distance-to-failure method, was developed to optimise SFQ cells. The fundamental inductance model was developed to model pure inductive effects accurately. A detailed case study on the design of a standard SFQ circuit was done to show the significance and efficacy of the methods developed in the study.

Supervisor: Prof CJ Fourie

MEYER, Bettina Elizabeth (Civil Engineering)*Household water end-use identification in the presence of rudimentary data*

Previously, flow trace analysis on high-resolution smart meter data sets have been described to identify individual end-use events. This study presents a method to classify coarser resolution household water end-use data, commonly available to water utilities, into indoor and outdoor consumption. Various household end uses were investigated using direct measurement and indirect sensing methods. A novel classification model was developed to identify and categorise residential end-use events from a rudimentary data set. By applying the developed model on rudimentary data sets, water managers can improve water security through better informed demand management programmes.

Supervisor: Prof HE Jacobs

MEYER, Thomas Oliver (Mechanical Engineering)*Design of a tip appendage for the control of tip leakage vortices in axial flow fans*

Large-diameter axial flow fans find application in forced draught dry-cooled power stations. The objective of this study was the improvement of fan performance through the introduction of an end-plate design to control tip leakage vortices at conservative blade tip clearances. The numerical simulations, using a novel open-source meshing strategy, identified two leakage flow phenomena. These formed the basis of the end-plate design methodology. Using a coupled DACE and EGO algorithm optimisation strategy, the novel trailing edge end-plate design was optimised and experimentally verified. The results indicated a design point performance improvement of 32.9% in fan pressure rise and a 7.7% increase in total-to-static efficiency.

Supervisor: Prof SJ van der Spuy
Co-supervisors: Profs CJ Meyer, A Corsini (external)

MOKHUPUKI, Fahmi Thabiso Thero (Electronic Engineering)*Efficient optimisation of wideband reflector feed antennas*

Optimal design of reflector antennas for radio astronomy is a difficult and time-consuming problem; the MeerKAT telescope antennas, for example, took more than a year of computer time to design. Every percentage of improved performance in the antenna translates directly to improved system sensitivity and the ability to do more science quicker. This study developed an automated design algorithm that significantly reduces the computer time and human effort required to find optimal designs of very wideband feed antennas. The framework was used to design improved antennas for future extensions of both the SKA and the ngVLA radio telescopes in a few days.

Supervisor: Prof DIL de Villiers

NDIBATYA, Innocent (Electrical Engineering)*Agent-based modelling of paratransit as an intelligent complex adaptive system to improve efficiency*

Public transport systems in sub-Saharan Africa are characterised by congestion, informality and inefficiency. This study used the complex adaptive systems approach to model Kampala's paratransit operations. An agent-based model of paratransit transportation dynamics was developed, simulated, and validated. Machine learning methods were used to train agents in order to improve their intelligence and situational awareness. The results showed that improving agents' situational awareness at micro level increases the efficiency of the paratransit system at macro level. The study recommends integration of smart mobility technologies into the paratransit systems ecosystem.

Supervisor: Prof MJ Booysen

NICKERSON, Brendon Mark (Mechanical Engineering)*Inverse models for ice-induced propeller moments on a polar vessel*

In this study, measurements were performed on the propulsion shaft of a polar vessel to evaluate torsional impulses caused by ice impacts on the propeller. Inverse problems were solved to determine the ice-induced propeller loads, based on the propulsion shaft measurements. A new inverse model based on modal superposition was proposed and evaluated using independent models from literature. This model overcomes several challenges of existing inverse models. Its accuracy and efficiency enable the analysis of complete voyage data for the first time. Results from this inverse model contribute to the knowledge of ice-induced propeller loads for ship propulsion system design.

Supervisor: Prof A Bekker

PALANDUZ, Kemal Marice (Mechanical Engineering)*On separable primal-dual algorithms for very large-scale optimization*

This study focused on the development of two solvers for very large-scale constrained optimisation. Both solvers were able to exploit massively parallel computational devices to significantly reduce the required solution time. The efficacy of the solvers was demonstrated using large-scale structural problems, involving hundreds of millions of design variables and constraints. One of the solvers was applied to the low-rank singular value decomposition problem and outperformed traditional state-of-the-art methods across representative test sets. Finally, a softening of the no-free-lunch theorems for structural optimisation was investigated using a concurrent multi-solver approach.

Supervisor: Prof A Groenwold

Co-supervisor: Prof K Schreve

RAATH, Johannes Hendrikus (Electrical Engineering)*Alternative sphere decoding for finite control set model predictive control of power*

This study addressed the computational burden arising from the long-horizon finite control set model predictive control (MPC) for multi-level inverters. An alternative decoding approach is presented that solves the application-specific control problem within a short sampling period. The approach includes the concept of target preconditioning in the form of an efficient projection algorithm. Characteristics from the acclaimed Micciancio Voulgaris and Sphere decoding algorithms were combined to deliver a decoding algorithm that is tailored to the specific power electronic application while harnessing the processing power of modern technology. The combined performance of the proposed algorithms resulted in an extension of the MPC prediction horizon.

Supervisor: Prof HdT Mouton

Co-supervisor: Prof T Geyer

SCHINDLER, Lieze (Electronic Engineering)*The development and characterisation of a parameterised RSFQ cell library for layout synthesis*

Superconductor electronics allows the gap between conventional electronics and quantum computers to be bridged. One superconductor logic family with great potential is rapid single-flux-quantum (RSFQ). This study focused on formalising education quality techniques for the design of RSFQ logic circuits. The developed design methodology is similar to the techniques used to teach undergraduate students the design of semiconductor electronics. It implements phase-based equations to design, analyse and improve RSFQ circuits. This formalised design methodology can accelerate the education of qualified superconductor electronic designers, who can then design functional and robust RSFQ circuits.

Supervisor: Prof CJ Fourie

SEWRAJ, Keshav (Electronic Engineering)*Adaptive cross-approximation methods for fast analysis of antenna arrays*

Three numerical electromagnetic analysis formulations based on adaptive cross-approximation techniques and the method of moments (MoM) were devised in this study for efficient simulation of large antenna arrays. Firstly, multi-level directional cross approximation (DCA) was formulated to accelerate the computation of reaction terms in macro basis function solvers. Secondly, a sparse direct MoM array solver based on single-level DCA factorisation was formulated. Lastly, a hybrid single-level compression scheme combining standard and translation-based adaptive cross approximation was devised to accelerate array solvers based on the domain Green's function method. Numerical results demonstrated the efficiencies of the new formulations.

Supervisor: Prof MM Botha

SPARROW, Dale Eric (Mechatronic Engineering)*An architecture for the integration of human workers into an Industry 4.0 manufacturing environment*

This study presents an architecture to implement a digital administration shell for workers that will allow them to be better integrated into modern factory environments. The Biography-Attributes-Schedule-Execution (BASE) architecture automates many of the workers' administrative tasks, while allowing better communication with the machines and systems in the factory around them. Along with the BASE architecture, a generalised view of shop-floor activities was used to create a federating data structure that would allow the workers and machines to better plan and communicate. The architecture was implemented and evaluated – and was shown to add notable value – in a real industrial case study.

Supervisor: Dr K Kruger

Co-supervisor: Prof AH Basson

WAY, Andrew Christopher (Civil Engineering)*SLS reliability considering autogenous self-sealing in tension-governed reinforced concrete water-retaining structures*

This study drew on the experimental results of other studies to probabilistically quantify the effect of autogenous self-sealing, including its dependence on crack width, on the reduction of water leakage over time from through-cracks in reinforced concrete. The reliability of serviceability limit states related to leakage of round reinforced concrete reservoirs was assessed for a wide range of designs in the fully formed crack stage. This allowed important recommendations to be made to improve the specification of design crack widths in standardised approaches. Increasing the stabilisation time allowed in water tightness tests may sufficiently and cost-efficiently address leakage in some instances.

Supervisor: Prof C Viljoen

Fisiese Toekennings
(*in-persoon*)

Fakulteit Ingenieurswese
(Groep 2)

31 Maart - 17:00

Physical Awards
(*face-to-face*)

Faculty of Engineering
(Group 2)

31 March - 17:00



PROGRAM

Staan asseblief

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Fakulteit Ingenieurswese (Groep 2) | Faculty of Engineering (Group 2)

DOKTORALE KWALIFIKASIES | DOCTORAL QUALIFICATIONS

DOKTOR IN DIE WYSBEGEERTE DOCTOR OF PHILOSOPHY

DU TOIT, Jan-Pierre (Chemical Engineering)

Engineering strategies for enhancement of bio-hydrogen production by phototrophic bacterium Rhodospseudomonas palustris

Rhodospseudomonas palustris shows great promise for bioconversion of various organic wastes into hydrogen as a clean, sustainable energy source. However, implementation is limited by low production rates. This study addressed process shortcomings via temperature optimisation to maximise metabolic efficiency and the fine-tuning of convenient genetic modification tools to further boost the organism's hydrogen production potential by removal of metabolic bottlenecks. In addition, a transparent PVA cryogel material was developed to immobilise bacteria in the bioreactor, allowing continuous high-efficiency biohydrogen production from non-growing cells over many months. These advances contribute to further maturation of the photofermentation process towards larger-scale viability.

Supervisor: Prof RWM Pott

KAPANJI, Kutemba Kaina (Chemical Engineering)

Modelling and sustainability analysis of biorefineries using sugarcane lignocellulose to produce polyethylene, sorbitol, glucaric acid and levulinic acid at existing South African sugar mills

Conventional South Africa sugar mills have been plagued by low international sugar prices and reduced cane yields due to climate change. Therefore, to remain sustainable, this industry seeks to generate extra revenue by producing bio-based polyethylene, glucaric acid, sorbitol and levulinic acid with electricity cogeneration from sugarcane bagasse in bioenergy self-sufficient biorefineries. Aspen Plus® v.8.6, SimaPro PhD 8.5.2.0 and the number of additional jobs created were used to assess the biorefineries' techno-economic, environmental and social impacts, respectively. Based on the findings, levulinic acid biorefineries generally performed better socio-economically, but underperformed environmentally when compared to the sorbitol and glucaric acid scenarios.

Supervisor: Prof JF Görgens

MAUMELA, Pfariso (Chemical Engineering)

Development of integrated processes for the coproduction of inulin, protein and ethanol from Jerusalem artichoke tubers in a biorefinery

Jerusalem artichoke tubers are a potential feedstock for food and fuel production. The study investigated the feasibility of using tubers for the inulin, protein and ethanol coproduction for food, feed and fuel use. The incorporation of a protein extraction step into the conventional inulin extraction process, from the tubers, resulted in cumulative protein yield of 71% from the tuber juice and water extraction process. An inulin yield of 67% was obtained in the subsequent step and higher than 54% from the conventional method. Fermentation of the extraction residues resulted in an ethanol concentration and yield of 38 g/L and 83%, respectively.

Supervisor: Prof JF Görgens

Co-supervisors: Prof AFA Chimphango, Dr E van Rensburg

MKWANANZI, Thobeka (Chemical Engineering)

Improving energy and economic performances of a typical sugarcane factory through energy indicator development, set-point optimization and optimal sensor placement

The volatile sugar markets and the vast opportunities to diversify the sugar industry have prompted a need among global cane sugar manufacturers to correct their energy inefficiencies through enhanced energy monitoring and process control. Using the first law of thermodynamics, this study identified the areas of energy inefficiencies in a typical sugarcane mill, simulated in MATLAB. Based on the study results, set-point optimising control and optimal sensor placement were identified as useful strategies for improved energy efficiency and economics of sugarcane mills. The study was the first to use the self-optimising control concept for optimal sensor placement.

Supervisor: Prof TM Louw

Co-supervisors: Profs JF Görgens, L Auret, Dr M Mandegari

NEL, Gerrit Stephanus (Industrial Engineering)

A hyperheuristic approach towards the training of artificial neural networks

Artificial neural networks represent the machine learning research community's most prolific attempt at devising artificially intelligent algorithms. In this study, a hyperheuristic was applied to optimise network weights, neuron layer structure and activation functions in a concurrent and algorithmic collaborative manner. The proposed training algorithm delivers significant performance improvements over its constituent sub-algorithms, while also enhancing the level of general network applicability over a large collection of benchmark datasets. Algorithmic performance was further improved by incorporating a powerful gradient-based training algorithm into the hyperheuristic. Predictive modelling was finally employed in a novel manner to provide additional performance enhancements.

Supervisor: Prof JH van Vuuren

NGONGONI, Chipso Nancy (Industrial Engineering)

The role of innovation intermediaries in developing healthcare innovation ecosystems: Value co-creation through platforms

Creating sustainable, agile, innovative environments is a persistent challenge, exemplified by the Covid-19 global pandemic. The disruption in services has highlighted the need to foster and build innovative and resilient health systems. These were the foundational precepts of this study, as it explored how to manage innovation ecosystems. An ecosystem evolution and emergence framework was developed that identified key leverage points using soft systems methodology and analysing an ecosystem as a complex adaptive system. This was further developed into a tool to assist an innovation intermediary in identifying key activities to monitor or cultivate for agility and sustainability in the ecosystem.

Supervisor: Prof SS Grobbelaar

Co-supervisor: Prof CSL Schutte

PADI, Richard Kingsley (Chemical Engineering)

Techno-economic and sustainability models for integration of cassava waste-based biorefineries into cassava starch processes based on process simulation and a systems modelling approach

The sustainability of cassava starch industries depends on sustainable energy for operations, emissions reduction and profitability, which may be enhanced through better environmental and economic uses of the generated wastes (wastewater, bagasse and stalks). Techno-economic and lifecycle simulations were used to assess the feasibility and sustainability of recovering the waste resources for reuse (i.e. bioenergy, biofertiliser and water) or conversions to energy and high-value bioproducts such as bioethanol and succinic acid in integrated biorefineries. The resource recoveries and a biorefinery that coproduces bioelectricity and bioethanol showed potentials for sustainable energy self-sufficient and decarbonised operations for near-term applications in the cassava starch industries.

Supervisor: Prof AFA Chimphango

Co-supervisor: Prof A Roskilly (external)

STEMMET, Petrus Louis (Industrial Engineering)

Investigating the impact of advanced planning systems on central inventory planning teams in retail

The retail supply chain has been transformed in the last three decades, with retailers continuously expanding their assortments and sales channels to reach more customers. This has increased the complexity of the retail supply chain and has amplified the need for improved inventory planning across the network. Advanced planning systems have fundamentally changed the way retailers plan their supply chain and central inventory planning teams have become integral in this transformation. This study investigated the impact that these systems have had on retailers and produced a unique conceptual framework for the design of central inventory planning teams in non-food retail.

Supervisor: Prof L Louw

Co-supervisor: Mr KH von Leipzig

VERMEULEN, Euodia (Industrial Engineering)

Systems thinking as novel framework to study overuse injuries in endurance running

The systems thinking methodology offers researchers and practitioners the opportunity to think about injuries as part of non-linear feedback structures, an alternative to the traditional scientific reductionist approach. However, the lack of practical applications hinders the advancement of the methodology. This study instantiated a novel systems thinking framework in sport science with the application of a simulation modelling tool of the long-distance runner. The approach was substantiated with principles from physiology and physics to present the long-distance runner as a complex system. The results demonstrated how systems thinking may augment the scientific method through dynamic, closed-loop thinking and quantitative modelling.

Supervisor: Prof SS Grobbelaar

Co-supervisor: Prof A Botha

KANSELIERSTOEKENNING | CHANCELLOR'S AWARD

Fakulteit Ingenieurswese | Faculty of Engineering

JOHANN GÖRGENS

Prof Johann Görgens is 'n Uitgelese Professor aan die Departement Prosesingenieurswese en sy voortreflike navorsingsbestuursvaardighede en produktiwiteit stel 'n duidelike maatstaf by Ingenieurswese. Hy is sedert 2007 'n kernlid van die Suid-Afrikaanse-navorsingsleerstoel inisiatief (SARCHI) in Biobrandstof & Bio-energie, en hy beklee tans die SARCHI-navorsingsleerstoel in Suikerriet-bioraffinering. Hy het ook 'n sleutelrol gespeel in die vestiging van die gesogte ARUA Sentrum vir Uitnemendheid in Energie aan die Universiteit Stellenbosch en was tot 2019 direkteur van hierdie sentrum. Hy was die wenner van die Suid-Afrikaanse Cleantech Kompetisie in 2011, was 'n finalis in die NWT Tegnologieforum Toekennings in 2016, en het ook al die Viserektorstoekenning vir Navorsingsuitset aan die Universiteit Stellenbosch ontvang.

Prof Johann Görgens is a Distinguished Professor at the Department of Process Engineering and his superior research management skills and productivity sets a clear benchmark at Engineering. Since 2007, he was a core member of the SARCHI Research Chair in Biofuels & Bio-energy, and he currently holds the SARCHI Research Chair in Sugercane Biorefineries. He also played a key role in establishing the prestigious ARUA Centre of Excellence in Energy at Stellenbosch University and was the Director of this centre until 2019. He was the winner of the South African Cleantech Competition in 2011, was a finalist in the NST Technology Forum Awards in 2016, and previously received the Vice-Rector's Award for Research Output at Stellenbosch University.

Fisiese Toekennings
(*in-persoon*)

Fakulteit Natuurwetenskappe

I April - 09:00

Physical Awards
(*face-to-face*)

Faculty of Science

I April - 09:00



PROGRAM

Staan asseblief

Staan asseblief

Sit asseblief

1. Akademiese prosesie kom die saal binne.
2. Speel van die Nasionale Lied.
3. Formele konstituering deur die Kanselier.
4. Verwelkoming deur die Kanselier.
5. Voorstelling van die eredoktorandus en toekenning van die eregraad deur die Kanselier.
6. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Kanselier.
7. Voorstelling van kandidaat vir die Kanselierstoekenning en oorhandiging van die toekenning deur die Kanselier.
8. Sluiting deur die Kanselier.
9. Akademiese prosesie verlaat die verhoog.

Staan asseblief

PROGRAMME

Please stand

Please stand

Please sit

1. Entrance of academic procession into the hall.
2. Playing of the National Anthem.
3. Congregation formally constituted by the Chancellor.
4. Welcome by the Chancellor.
5. Presentation of the candidate for the honorary doctorate and conferment of the degree by the Chancellor.
6. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Chancellor.
7. Introduction of the candidate for the Chancellor's Award and presentation of the award by the Chancellor.
8. Closing by the Chancellor.
9. The academic procession leaves the stage.

Please stand

EREGRAAD | HONORARY DOCTORATE

Fakulteit Natuurwetenskappe | Faculty of Science

Die graad Doktor in die Natuurwetenskappe (DSc), aan The degree Doctor of Science (DSc), *honoris causa*, to

BATMANATHAN DAYANAND REDDY

vir sy navorsingsleierskap en wetenskaplike deurbrake; vir sy buitengewone bydraes om wetenskap nasionaal en internasionaal uit te bou en te bevorder; en vir sy bereidwilligheid om sy kennis en kundigheid te deel om studente op die gebied van rekenaar-denke en toegepaste meganika te ontwikkel.

Professor Batmanathan Dayanand Reddy is 'n wêreldbekende wiskundige wat 'n merkwaardige loopbaan in volhoubare aktiwiteite om die wetenskaplike projek te versterk.

Prof Reddy, 'n A-gegradeerde wetenskaplike van die Nasionale Navorsingsinstituut, het sy wetenskapsreis in 1973 begin toe hy sy BSc in Siviele Ingenieurswese aan die Universiteit van Kaapstad (UK) voltooi het, gevolg deur 'n PhD aan die Universiteit van Cambridge in die Verenigde Koninkryk.

Hy het 'n reusebydrae tot die ontleding van probleme in die meganika van vaste stowwe, veral in plastisiteit, gelewer. Hy geniet ook groot aansien wêreldwyd vir die ontwikkeling en ontleding van gemengde en verwante eindige-elementmetodes. Buiten dit, het hy ook baie bygedra tot aspekte van biomediese meganika.

Hy is 'n stigterslid van die Afrika-instituut vir Wiskundige Wetenskappe, was voorsitter van 'n beheergroep van akademici wat die Suid-Afrikaanse Sentrum vir Hoëverrigting Rekenaarswetenskap gestig het en is 'n stigtingsgenoot van die Akademie vir Ingenieurswese en Tegnologie in die Ontwikkelende Wêreld.

Hy was vir sewe jaar die dekaan van die Fakulteit Natuurwetenskappe by die UK, waar hy ook die Suid-Afrikaanse Navorsingsleerstoel in Rekenaarsmeganika in die departement Wiskunde en Toegepaste Wiskunde beklee het. Hy het aan die einde van 2020 by die UK afgetree.

for his research leadership and scientific breakthroughs; for his exceptional contribution in strengthening and advancing science at a national and international level; and for his generosity in sharing his knowledge and expertise to develop students in the field of computational and applied mechanics.

Professor Batmanathan Dayanand Reddy is a globally renowned mathematician, who has a notable record of sustained activity in strengthening the scientific enterprise.

An A-rated National Research Foundation scientist, Prof Reddy's journey into science began back in 1973, when he completed a BSc in Civil Engineering at the University of Cape Town (UCT), followed by a PhD at the University of Cambridge in the United Kingdom.

Prof Reddy has made major contributions to the analysis of problems in solid mechanics, most notably plasticity, and to the development and analysis of mixed and related finite element methods. Beyond these major areas of expertise, he has also made significant contributions to aspects of biomedical mechanics.

He is a founding member of the African Institute for Mathematical Sciences, chaired a steering group of academics who established the South African Centre for High Performance Computing, and is a founding fellow of the Academy of Engineering and Technology of the Developing World.

He served a seven-year term as Dean of the Faculty of Science at UCT, where he also held the South African Research Chair in Computational Mechanics in the Department of Mathematics and Applied Mathematics. He retired from UCT at the end of the end 2020.

Fakulteit Natuurwetenskappe | Faculty of Science

DOKTORALE KWALIFIKASIES | DOCTORAL QUALIFICATIONS

DOKTOR IN DIE WYSBEGEERTE DOCTOR OF PHILOSOPHY

BAKKES, Deon Kahlil (Zoology)

Evolution and morphological shape ontogeny of the brown ticks (Acari: ixodida: ixodidae: rhipicephalus)

Evolution history among Rhipicephalus ticks was elucidated in this study with special reference to ancestral geographic movements, host-use patterns and climate niches, all of which played various roles in driving diversification of the genus. Effects of selection pressure on different life stages were determined from shape data for tick mouthparts, and suggested that effects of host skin thickness, predation and dehydration off-host play a role in modulating the evolution of Rhipicephalus developmental systems. A new Afrotropical species that was previously confounded with a Eurasian species was uncovered from museum collections of African ticks using integrative methods based on DNA sequencing and shape analysis.

Supervisor: Prof CA Matthee
Co-supervisor: Dr B Mans (external)

BRIGG, Siobhan Ernan (Chemistry)

Expanding the scope of bacterial pantothenate kinase inhibitors for application in antibacterial drug development

Pantothenate kinase (PanK), the first enzyme of coenzyme A biosynthesis, is a validated target for antimicrobial drug development. The PanK of *Staphylococcus aureus* is inhibited by pantothenamide (PanAm) antimicrobials, but their rational improvement has proven difficult due to a complex mode of action that depends on the unique structure of each PanAm. This complexity, combined with PanAm instability in human serum, led to the exploration of novel inhibitors via complementary drug discovery approaches. The PanKs of known drug-resistant pathogens were analysed for the development of new narrow-spectrum antimicrobial agents using a novel combination of phylogenetic, active site modelling and structure-activity relationship studies.

Supervisor: Prof E Strauss
Co-supervisor: Prof W van Otterlo

CLEMENTS, Tanya Lee (Microbiology)

*Exploring the antimicrobial and antifouling activity of secondary metabolites produced by *Serratia marcescens* strains*

Secondary metabolites produced by environmental pigmented and non-pigmented *Serratia marcescens* strains were investigated in this study as a source of novel and bioactive drug candidates. The metabolites produced by these strains exhibited broad-spectrum antimicrobial activity against multidrug-resistant gram-negative and gram-positive bacteria and fungi. An untargeted metabolomics approach indicated that the *Serratia* strains produced bioactive serratamolides and glucosamine derivatives, with the putative chemical structures of a novel serratamolide and eight novel glucosamine derivative congeners described. In addition, the serratamolides and glucosamine derivatives were covalently immobilised onto high-density polyethylene and polyvinyl chloride, and successfully delayed the onset of biofilm formation on these materials.

Supervisor: Prof W Khan
Co-supervisor: Dr T Ndlovu

CLOETE, Ryan (Geology)

On the distribution and biogeochemical cycling of bioactive trace metals in the Southern Ocean

Trace metal distributions can influence phytoplankton species composition and abundance with implications for carbon sequestration. However, the vast majority of previous research has been focused on the spring and summer months (favourable phytoplankton growth), but little is understood regarding the interactions between phytoplankton and trace metals during the winter months when growth conditions are unfavourable. First winter trace metal measurements from the Indian and Atlantic sectors of the Southern Ocean revealed that despite sub-optimal environmental conditions, the winter Southern Ocean is not biologically dormant, and the trace metal distribution is coupled to carbon and physical processes over seasonal cycles.

Supervisor: Prof AN Roychoudhury

CONRADIE, Tersia Andrea (Microbiology)

The abundance and diversity of Acidobacteria in fynbos soil: A closer look at culturability and function

The phylum Acidobacteria consists of globally distributed soil bacteria, known to be difficult to culture. Based on next-generation amplicon sequencing, a number of representatives from this phylum were identified in this study. Distribution patterns of Acidobacteria were variable and closely linked to pH and moisture. Two strains were recovered from the fynbos biome and named *Edaphobacter sabuleum* and *Terriglobus capensis*. Their essential contribution to biogeochemical cycles, such as the carbon cycle, was confirmed using whole-genome sequencing and culture-based work. The genomes of these bacteria also revealed potential survival mechanisms that contribute to their proliferation within these terrestrial environments.

Supervisor: Prof K Jacobs

DE WAAL, Greta Marie (Physiological Sciences)

The link between chronic inflammation, hypercoagulation and a bacterial presence in colorectal carcinogenesis

By analysing the systemic environment and local tumour environment of colorectal cancer (CRC) patients, a novel holistic approach was employed in this study to create a better understanding of factors involved in the perpetuation of CRC. It was found that the presence of a bacterial component forms a key part of the overall profile of CRC patients, with systemic inflammation and increased hypercoagulability also being central. New emphasis was placed on the intricate relationship between a bacterial presence, persistent inflammation, hypercoagulation and colorectal carcinogenesis. This approach offered unique opportunities for the identification of novel markers associated with CRC, aiding early detection of CRC risk.

Supervisor: Prof E Pretorius
Co-supervisor: Prof WJS de Villiers

DUNN, Stephan Chalmers (Geology)*Gold mineralisation in the Amani area, southwestern Tanzania*

Hypogene gold mineralisation formed in greenschist facies rocks of a Neoproterozoic succession of sedimentary rocks in the Ubendian belt (southwestern Tanzania) later than 600 to 550 million years ago. Two possible mineralising fluids were identified, namely either a moderate-temperature, low-salinity fluid (typical of orogenic-type gold deposits) or a high-salinity, high-temperature fluid. Recent weathering of these gold veins allowed a natural laboratory to understand gold behaviour in the so-called critical zone. New models were provided for gold remobilisation in a developing gossan and for the presence of finely textured, high-purity gold in early diagenetic placers.

Supervisor: Prof BP von der Heyden

GLYNN-WOODS, Christina (Botany)*Sceletium tortuosum (L.) N.E.Br.: Mesembrine alkaloid chemotype signatures in wild-type, cultivated and in vitro tissues*

Sceletium tortuosum (Mesembryanthemaceae) is popular as an anti-depressant and anxiolytic ethnobotanical that is commercialised in phytopharmaceuticals markets. However, the regulation of the pharmacologically active mesembrine alkaloids of this ancient Khoi-San medicinal plant was poorly characterised. Using metabolomics, hypotheses linked with seasonal and spatiotemporal chemotype development in *S. tortuosum* were tested in this study. Novel fundamental insights pertaining to inherent biological timing of mesembrine and its derivatives, both in wild-growing and cultivated plants, led to a deeper understanding of the complexity of mesembrine biosynthesis. The production of mesembrine alkaloids using biotechnology as a system provides a novel manufacturing platform that is highly desired in industry.

Supervisor: Prof NP Makunga

LEDWABA, Mpho Violet (Chemistry)*Defect engineering of UiO-66 metal-organic framework for improved hydrogen storage applications*

Hydrogen gas is considered a viable energy carrier for future widespread use in society; it is abundant, efficient and 'green'. However, its high volatility makes hydrogen gas very difficult to store in a sufficiently dense form for practical applications. Porous metal-organic framework materials such as UiO-66 have the potential to concentrate hydrogen gas molecules at relatively low pressures and ambient temperature, but they have yet to meet the target set by the USA's Department of Energy. The introduction of lattice defects appears to enhance hydrogen storage capacities in crystalline materials, and various approaches to defect engineering were explored in this study.

Supervisor: Prof LJ Barbour
Co-supervisor: Dr J Ren (external)**LE ROUX, Marlon-Schylor Luke (Genetics)***Characterization of SUMO proteases and other proteins involved in water stress responses in triticum aestivum L*

SUMOylation, a post-translational modification mechanism, affects essential protein function during water-deficit stress in plants. Small ubiquitin-related modifier (SUMO) proteases counter the process by acting directly within the SUMOylation pathway. This study's novel findings confirmed the overarching hypothesis that soil water-deficit stress influences an array of physiological, metabolic and proteomic processes. Interventions by reducing levels of SUMOylation delayed protein turnover, which increased drought tolerance in bread wheat. This was demonstrated by introducing the AtOTS-1 gene into bread wheat, which enhanced water stress tolerance, as well as with wheat mutant lines BIG8 and RYNO3936, which expressed lower levels of SUMO conjugates, but superior drought tolerance.

Supervisor: Prof AM Botha-Oberholster
Co-supervisor: Prof KJ Kunert (external)**LOOCK, Jean Christian (Geology)***Austral summer and winter trace metal distributions in the Southern Ocean and Antarctic seasonal sea ice*

The first Southern Ocean seasonal cadmium, cobalt and manganese data revealed that these bioactive trace metal nutrients are resupplied via various biological, physical and chemical pathways during the winter. This seasonal restocking of the productive zone alleviates trace metal-induced growth limitation and is essential to the spring and summer growth of primary producers responsible for carbon uptake. Even in the remote parts of the Southern Ocean dominated by trace metal paucity, several trace metals, such as iron and manganese, accumulate in seasonal sea ice. During annual melting, the accumulated nutrients fertilise the Southern Ocean and promote primary production.

Supervisor: Prof AN Roychoudhury

LOUW, Gerrit Jacobus (Geo-informatics)*Object-based geomorphometry and soil spectroscopy in a fluvial terrace-dominated landscape*

Information on the location and characteristics of fluvial terrace staircases (river terraces) is used in mining exploration, agriculture and environmental management. Object-based analysis of digital elevation models (terrain analysis), infrared spectroscopy (spectral analyses) of soils and machine learning were combined in this study to accurately map and characterise fluvial terraces and planation surfaces in the Great Letaba River Catchment. New approaches for mapping fluvial terrace staircases in landscapes where terraces have been heavily eroded were conceptualised. A range of novel techniques that can potentially be used to characterise fluvial terrace remnants in other landscapes was developed and demonstrated.

Supervisor: Prof A van Niekerk
Co-supervisor: Dr A Rozanov**MAKHATHINI, Lucky Maxwell (Physics)***The development of a beta-decay tape station and the search for vibrations in ruthenium isotopes*

A long-standing expectation is that the nucleus of an atom should be able to vibrate. To test whether the excited states of the nucleus of the light ruthenium isotopes ^{98,100}Ru can be explained as vibrations around a spherical shape, a β -decay tape station, which included an array of detectors of β , γ and conversion electron radiations, was designed and assembled. By studying the decay patterns of the emitted radiation, it was shown that the excited states of ^{98,100}Ru could not be understood as vibrations of a spherical shape, but rather as rotations of a deformed nucleus.

Supervisor: Prof P Papka
Co-supervisors: Drs JJ van Zyl, RA Bark (external)**MERTENS, Lisa Emma Anna (Zoology)***Assessing the evolutionary and physiological resilience of southern African marine species*

Climate change pressures species to adapt to shifting environmental conditions. Assessing the genomic basis of local adaptation and critical thermal limits is essential to anticipate species persistence. Newly assembled genomes of the shore crab, the Cape urchin and the granular limpet were utilised in this study to determine gene regions putatively under selection. Contrasting temperatures between the South African west, south and east coasts underpinned the experimental investigation of regional differences in each species' upper and lower critical thermal limits. Rising east coast temperatures likely contribute to future population decline, whereas the west coast represents a rocky shore climate change refugium.

Supervisor: Prof J Measey

MOSTERT, Konrad Johannes (Biochemistry)

In vitro reconstitution of the coenzyme A biosynthesis pathway for the study of its regulation and disruption by possible inhibitors

The coenzyme A (CoA) biosynthesis pathway has been validated as a promising target for antimicrobial drug development. A systems-based approach was utilised in this study to determine which of the enzymes involved in CoA biosynthesis in the pathogen *Staphylococcus aureus* are the most likely to cause inhibition when targeted. New tools to identify and characterise potential inhibitors of this pathway were developed, which can also be applied to further understanding of the mechanisms of action of existing CoA-directed inhibitors. These findings lay the foundation for the application of these approaches in the development of novel drugs in the battle against antimicrobial resistance.

Supervisor: Prof E Strauss
Co-supervisor: Prof JL Snoep

NIELSEN, Erica Spotswood (Zoology)

Using multi-species seascape genomics to conserve areas of evolutionary importance

Marine systems globally and in South Africa are facing unprecedented changes, requiring innovative approaches to maintaining their resilience into the future. Cutting-edge genomic tools were used in this study to characterise the genomic and genetic signatures of three rocky shore invertebrate species. Species distribution models showed historical processes shaping contemporary evolutionary patterns and a loss of genomic resilience expected by the end of this century, compromising the future persistence of marine species. Accounting for evolutionary resilience and diversity in contemporary conservation planning can help safeguard marine biodiversity, even under changing conditions, in South Africa and beyond.

Supervisor: Prof S von der Heyden
Co-supervisors: Dr R Henriques (external), Prof M Beger (external)

NNAKENYI, Chinenye Assumpta (Mathematics)

Complexity and stability of mutualistic local networks and meta-networks

This study investigates the mechanisms behind the complexity and stability of biotic interactions within local- and meta-networks, using mathematical analyses, numerical simulations and statistical data analyses. The results suggest that species abundances can be determined by species interaction strengths. Modelling real mutualistic networks highlights adaptive interaction switching as a key predictor of nested features in networks, with environments playing a secondary role in explaining network structural emergence. Dispersal was found to be a strong stabilising force in ecological networks, while mutualism can increase both the stability and total abundance of species residing in such networks.

Supervisor: Prof C Hui
Co-supervisor: Dr HO Minoarivelo (external)

OGUNDIPE, Temitope Richard (Physiological Sciences)

Identification of potential biomarkers of cardiotoxicity induced by doxorubicin therapy in a tumour-bearing model by targeting specific microRNAs

Chronic doxorubicin-induced cardiotoxicity poses a major threat to the quality of life of breast cancer survivors. Due to a lack of specific and reliable biomarkers to detect this disease, the expression profile of different microRNAs in an experimental tumour-bearing model was investigated. This demonstrated that some microRNAs are released into circulation, and therefore there is less retention. It was also evident that these microRNAs govern several mechanisms relevant to cardiac function. There is potential for these microRNAs to be used as novel biomarkers for doxorubicin-induced cardiotoxicity in the field of cardio-oncology.

Supervisor: Dr BJN Sishi

OLIVIER, Daniel Wilhelm (Physiological Sciences)

An investigation into the role of Serum amyloid A in breast cancer

Inflammation plays a major role in many devastating diseases, including cancer. In breast cancer patients, blood tests revealed that increasing concentrations of the acute-phase inflammatory protein Serum amyloid A (SAA) is associated with a poor prognosis. However, little evidence exists for the role of SAA in breast cancer pathogenesis. This study found that silencing of the SAA gene in normal and cancer cells increased cellular stress in both cell lines, but only normal cells were able to initiate repair mechanisms. Tumour-bearing SAA knock-out mice showed improved tumour prognosis, which implicates SAA as a major contributor in breast cancer pathogenesis.

Supervisor: Prof A-M Engelbrecht
Co-supervisor: Prof R Pretorius

PAGE, Martin Justin (Physiological Sciences)

Novel approaches to study the haematological system during inflammation

By considering the intersection of inflammation and coagulation, measurements of clot mechanics and structure were used in this study to characterise the effects of disease-relevant inflammatory mediators and pathogen-derived products on the components of blood and its ability to clot. Together with analysis of the procoagulant profiles of patients with chronic inflammatory diseases, inflammatory signalling could be examined as a general contributor to disease pathology, including as a stimulus for abnormal coagulation. This conveyed that disturbances in the haematological system can signify broader dysfunction in the physiological system and that disturbances in the haematological system itself need to be targeted to prevent broader pathology.

Supervisor: Prof E Pretorius

VAN ROOYEN, Jared David (Geology)

Investigating regional recharge dynamics through the use of tritium and radiocarbon isotopes to assess the hydrological resilience of groundwater in South Africa

Isotopes are ideal tracers of water in the natural environment. Tritium and radiocarbon isotopes are particularly effective in assessing groundwater residence time, mixing and recharge mechanisms. The collection and analysis of regional rainfall and groundwater samples across South Africa enabled the assessment of the extent of modern groundwater as well as the mixing relationship between modern and fossil groundwater. Ultimately, the distribution of tritium in groundwater across South Africa was used as a recharge indicator in a novel approach to assess groundwater vulnerability to both a decrease in quantity and a deterioration in quality.

Supervisor: Prof JA Miller

KANSELIERSTOEKENNING | CHANCELLOR'S AWARD

Fakulteit Natuurwetenskappe | Faculty of Science

ANDRÉ WEIDEMAN

Prof Weideman se navorsing fokus op numeriese wiskunde. Die sagteware wat hy ontwikkel het, word gebruik in diverse toepassingsgebiede soos spektroskopie en vloeidynamika. Hierdie werk het hom aansienlike internasionale erkenning besorg, soos om as genoot van SIAM (*Society for Industrial and Applied Mathematics*) verkies te word – die eerste persoon uit Afrika wat dié eer te beurt geval het. Tesame met vier internasionale kollegas het hy in 2019 'n program georganiseer oor die toepassings van komplekse veranderlikes by die toonaangewende Isaac Newton Instituut in Cambridge, VK. Plaaslike erkenning sluit in die Suid-Afrikaanse Wiskunde-vereniging se toekenning vir navorsingsuitnemendheid, sowel as die Havenga-prys vir Fisiese Wetenskappe van die Akademie vir Wetenskap en Kuns. Prof Weideman dien in die redaksie van drie vaktydskrifte (twee internasionaal en een plaaslik) en dien in twee SIAM-komitees. In samewerking met Stellenbosse kollegas organiseer hy die SANUM-simposium oor numeriese en toegepaste wiskunde wat gereeld bekende internasionale afgevaardigdes lok.

Prof Weideman's research focuses on numerical mathematics. The software he has developed is used in diverse areas such as spectroscopy and fluid dynamics. This work has earned him considerable international recognition, such as election as Fellow of SIAM (the international *Society for Industrial and Applied Mathematics*), the first person from Africa to have received this honour. Along with four international colleagues, he organised a programme on the application of complex variables at the prestigious Isaac Newton Institute in Cambridge, UK, in 2019. Local recognition includes the Award for Research Distinction from the South African Mathematics Society and the Havenga Prize for Physical Sciences from the *Akademie vir Wetenskap en Kuns*. Prof Weideman sits on the editorial board of three journals (two international, one local) and serves on two SIAM committees. Together with Stellenbosch colleagues he organises the SANUM symposium on numerical and applied mathematics, which regularly attracts known international delegates.

Virtuele Toekennings

*Nagraadse en Voorgraadse
Kwalifikasies*

Virtual Awards

*Postgraduate and
Undergraduate Qualifications*

2021

Virtuele Toekennings

Fakulteit AgriWetenskappe

29 Maart – 09:00

Virtual Awards

Faculty of AgriSciences

29 March – 09:00



Fakulteit AgriWetenskappe | Faculty of AgriSciences

Magister in die Natuurwetenskappe Master of Science

Bothma, Sheryl (Plant Pathology)
Cawood, Rebecca Ann (Entomology) (*cum laude*)
Jasse, Aladino (Wine Biotechnology)
Lambrecht, Kiera Nareece (Wine Biotechnology) (*cum laude*)
Marais, Junré (Plant Pathology)
Mashaya, Rufaro Talent (Sustainable Agriculture)
Mugala, Thabu (Entomology)
Serfontein, Adriaan Jakobus (Entomology)
Zidubule, Sipiwo (Sustainable Agriculture)

Magister in die Natuurwetenskappe in Landbou Master of Science in Agriculture

Badenhorst, Ruben (Animal Science) (*cum laude*)
Bambeni, Thandikhaya (Animal Science)
Blaker, Timothy Nigel (Agricultural Economics)
Daniels, Tasneem (Agricultural Economics)
Dos Santos, Isabel Anne (Oenology) (*cum laude*)
Dreyer, Stephanie Andrea (Animal Science)
Du Toit, Tharine (Horticultural Science) (*cum laude*)
Eksteen, Christo (Agronomy)
Kotzé, Theunis Nicolaas (Agronomy)
Liebenberg, Adriaan (Agronomy)
Lötter, Devan De Villiers (Agronomy)
Mokapane, Faith Moleboheng (Horticultural Science)
Nxitywa, Abongile (Entomology) (*cum laude*)
Olifant, Kagisho Ignitius (Soil Science)
Paul, Tristen Lee (Animal Science)
Pyman, Dylan Harvey (Agricultural Economics)
Sanganza, Hardlife (Agricultural Economics)
Shaikh, Ayesha (Plant Pathology) (*cum laude*)
Skippers, Zarinah (Animal Science)
Smit, Brendan Alwyn (Agricultural Economics)
Steytler, Jan George (Soil Science)
Van der Nest, John Richard Ruan (Agronomy) (*cum laude*)

Magister in die Natuurwetenskappe in Bosbou- en Houtwetenskappe Master of Science in Forestry and Wood Sciences

Mbhamali, Ntuthuko Qino (Wood Product Science)
Munarini, Mulalo Charmaine (Forest Science)
Prins, Ashlee Cherice (Wood Product Science)
Sibiya, Gabigabi (Forest Science)

Magister in die Natuurwetenskappe in Bewaringsekologie Master of Science in Conservation Ecology

Ngomane, Nomalizo Carol (Conservation Ecology) (*cum laude*)

Magister in die Natuurwetenskappe in Voedsel- en Voedingsekerheid Master of Science in Food and Nutrition Security

Maluleke, Mikateko (Food and Nutrition Security)
Simelane, Xolisiwe Nonhlanhla (Food and Nutrition Security)

Magister in die Natuurwetenskappe in Voedselwetenskap Master of Science in Food Science

Beukes, Martine (*cum laude*)
Burse, Caroline
Orth, Sebastian Helmut (*cum laude*)
Petrus, Alicia (*cum laude*)

Magister in Landbou Master of Agriculture

Akoth, Brenda (Agricultural Economics)
Hayward, Clinton Todd (Agricultural Economics) (*cum laude*)
Helberg, Corne Jacob (Agricultural Economics)

Honneurs-Baccalaureus in die Natuurwetenskappe Bachelor of Science Honours

Block, Inge (Plant Pathology) (*cum laude*)
Bougard, Kayleigh (Plant Pathology)
Breytenbach, Karlie (Plant Pathology)
Crause, Jenny Jessica (Plant Pathology) (*cum laude*)
Foxton, Alexander (Plant Pathology)
Kotze, Miché Charlize (Plant Pathology)
Mfeka, Yenziwe Tracy (Plant Pathology) (*cum laude*)
Mostert, Thomas (Plant Pathology)
Tobias, Micaela (Plant Pathology) (*cum laude*)
Turner, Anne Mary Margaret (Plant Pathology)

Nagraadse Diploma in Akwakultuur Postgraduate Diploma in Aquaculture

Davids, Bilqees

Nagraadse Diploma in Bosbou- en Houtwetenskappe Postgraduate Diploma in Forestry and Wood Science

Hubbard, Alan John (*cum laude*)
Mfuni, Tiza Ignatius (*cum laude*)
Tennant, Jane Marie (*cum laude*)

Nagraadse Diploma in Agronomie Postgraduate Diploma in Agronomy

Minnaar, Chad
Raspel, Joseph Louwrens

Baccalaureus in die Natuurwetenskappe in Landbou Bachelor of Science in Agriculture

Basson, Paul Johannes (Agricultural Economics with Animal Science)
Berg, Chad Nathan (Animal Science)
Bester, Christo (Agricultural Economics)
Bisnath, Anamika Michaela (Agricultural Economics)
Daiber, Rocco (Plant and Soil Science)
Day, Joshua Simon Francis (Animal Science)
Dlamini, Nandipha Zizipho (Animal Science)
Du Toit, Adriaan Andries (Plant and Soil Science)
Dyan, Sihle Sonwabe (Animal Science)
Elkholy, Waleed Harby Ibrahim Abdalaziz (Plant and Soil Science)
Ferreira, Van Niekerk Scheepers (Agricultural Economics)
Folscher, Alexander Bart (Plant and Soil Science)

Gerber, Hugo (Animal Science)
 Hamman, Stefan (Plant and Soil Science)
 Maritz, Lehanro Michiel (Agricultural Economics)
 Mkabela, Nonkosi Thandeka (Agricultural Economics)
 Monaledi, Kgantshe Adele (Agricultural Economics)
 Mpuma, Zizipho Mhlali (Agricultural Economics)
 Myburgh, Francois (Plant and Soil Science)
 Ndyondya, Kuhle (Agricultural Economics with Animal Science)
 Nel, George Philippus (Plant and Soil Science)
 Ntimane, Oratile Bernice (Animal Science)
 Ntuli, Malibongwe Mnotho Simingayesonke (Plant and Soil Science)
 Phenyane, Thandolwethu Venceremos Masechaba (Agricultural Economics)
 Richard, Martin-John (Plant and Soil Science)
 Sedutla, Mapitsi Ruth (Plant and Soil Science)
 Tonisi, Sikelela (Plant and Soil Science)
 Van den Heever, Dany (Agricultural Economics)
 Van Rensburg, Brendon (Agricultural Economics)

Baccalaureus in die Natuurwetenskappe in Bosbou in Bosbou- en Houtwetenskappe
Bachelor of Science in Forestry in Forestry and Wood Science

De Bruin, Ruben Daniel
 Jonck, Jacobus Johannes Janchristiaan
 Kapnoudhis, Andre
 Madiope, Molatelo Sechaba
 Majodina, Thabile
 Mlangeni, Thabang Maxwell
 Peters, Sayed Junaid
 Wessels, Esmari Liezel

Baccalaureus in die Natuurwetenskappe in Bewaringsekologie
Bachelor of Science in Conservation Ecology

Rossouw, Sumarie
 Visagie, Marizanne

Baccalaureus in die Natuurwetenskappe in Voedselwetenskap
Bachelor of Science in Food Science

Coetzee, Denise
 Moolman, Lize Elfrida

Baccalaureus in Landboubestuur
Bachelor of Agricultural Management

Annandale, Desmond Lawrence
 Basson, Hendrik Hanekom
 Dreyer, Paul Roux
 Madison, Michael John
 Naudé, Wilhelm Heinrich
 Shakankale, Kabanga Tabo
 Van der Merwe, Jan Christiaan
 Walker, Christoffel Gerhardus

Baccalaureus in Landbou
Bachelor of Agriculture

Beukes, Johannes Jacobus Petrus
 Brand, Johannes Gerhardus
 Briers, Theunis
 Dahl, Robert Erik
 De Welzim, Michaela Catherine
 Du Toit, Morgan
 Evans, Kyle Dean
 Grobbelaar, Ilse-Mari
 Khoza, Dineo Khensani
 Kotze, Laura
 Labuschagne, Lize
 Marthinus, Teneal Pascal
 Mukhombo, Tebogo Ida
 Mulder, Trudie
 Sibuyana, Robbin Xitsundzuxo
 Snyman, Abraham Jacobus
 Taute, Anthony
 Toth, Amber
 Van Greunen, Michael Johannes Christiaan
 Van Loggerenberg, Johannes Nicolaas Du Toit
 Van Niekerk, Cornelis Janse
 Venter, Francois Adriaan
 Vollgraaff, Hendrik Hermeas
 Wepener, Jade

Virtuele Toekennings

Fakulteit Lettere en
Sociale Wetenschappen

29 Maart – 13:00

Virtual Awards

Faculty of Arts
and Social Sciences

29 March – 13:00



Fakulteit Lettere en Sosiale Wetenskappe

Faculty of Arts and Social Sciences

Magister in die Lettere en Wysbegeerte Master of Arts

Blom, Maret (Afrikaans and Dutch) (*cum laude*)
 Botha, Charl Louis (Philosophy) (*cum laude*)
 Christians, Micaela Ada (Political Science)
 Cronjé, Daniëlle (Afrikaans and Dutch) (*cum laude*)
 Crook, Amber Roxanne (English Studies) (*cum laude*)
 Cupido, Amber Courtney (Political Science)
 Davids, Shu-Aat (Sociology) (*cum laude*)
 Day, Christopher (Political Science)
 Douglas, Monique (Geography and Environmental Studies A)
 Dyasi, Thembelihle (Clinical Psychology)
 Elliott, Mignon (Psychology)
 Fourie, Anja (Afrikaans and Dutch)
 Fritz, Annerie (Ancient Cultures) (*cum laude*)
 Hay, Ira Barbara Caroline (German) (*cum laude*)
 Hendricks, Lisa Victoria (Social Anthropology) (*cum laude*)
 Hlongwane, Mangalani Joshua (Lexicography)
 Hugo, Willem Francois (History)
 Karstens, Alexandra (Political Science)
 Kilian, Sanja (Clinical Psychology)
 Krige, Dalaine (Political Science)
 Lambrechts, Tersius Viljoen (Psychology)
 Law, Matthew Robert (Political Science)
 Louw, Jaco (Philosophy) (*cum laude*)
 Maclear, Jemma (Political Science) (*cum laude*)
 Mahlangu, Thoko Johan (Political Science) (*cum laude*)
 Mandy, Lindsay Gail (Political Science) (*cum laude*)
 Maputi, Sibongile Sydney (Journalism)
 Marthinus, Jody Lynn (General Linguistics)
 Marx, Danya (Public Sociology and Anthropology) (*cum laude*)
 Mihalopoulos, Kyra (Social Anthropology)
 Modongo, Lorato Palesa (Psychology)
 Muller, Imanuella (Psychology)
 Ndovela, Valentine Amanda (Clinical Psychology)
 Neville, Daniella (English Studies) (*cum laude*)
 Nieman, Catharina Marita (Intercultural Communication)
 Nobangule, Zintle Collen (Clinical Psychology)
 Punt, Jacques (Social Anthropology)
 Rode, Helen Jacqueline Antoinette (German) (*cum laude*)
 Sleet, Francesca Bryony (English Studies) (*cum laude*)
 Thomson, Robyn (International Studies)
 Turner, Christina Emily (Ancient languages) (*cum laude*)
 Ukabhai, Priyanka (Political Science) (*cum laude*)
 Uys, Mia (History) (*cum laude*)
 Van der Hoven, Victoria (General Linguistics)
 Van der Merwe, Anke Irene (Intercultural Communication)
 Van Dyk, Joha (English Studies) (*cum laude*)
 Van Zyl, Ernst Jacobus (Political Science) (*cum laude*)
 Veldsman, Marishan Cary (Afrikaans and Dutch)
 Viljoen, Shani Claudia (Ancient languages)
 Visser, Bearell Felicia (History) (*cum laude*)
 Williams, Tristanne Jade (Political Science)
 Wolfaardt, Lisa (Clinical Psychology)

Magister in die Wysbegeerte Master of Philosophy

Adeniyi, Daniel Adeoluwa Seun (Monitoring and Evaluation Methods) (*cum laude*)
 Busi, Sophie (Monitoring and Evaluation Methods)
 Cele, Hlengiwe Colsie (Monitoring and Evaluation Methods)
 Chekure, Office Tapiwa (Monitoring and Evaluation Methods)
 Dall, Yael Nicole (Applied Ethics) (*cum laude*)
 Gititu, Wambui Diana (Monitoring and Evaluation Methods)
 Jitsing, Amanda Anouchka (Monitoring and Evaluation Methods) (*cum laude*)
 Kgwete, Mankgogele Thabo Timothy (Information and Knowledge Management)
 Khobotlo, Tang (Monitoring and Evaluation Methods)
 Khubana, Mukondeleli Isaac (Applied Ethics)
 Kitching, Bertha Margaretha (Monitoring and Evaluation Methods)
 Kufakwababa, Collen Zvandasara (Information and Knowledge Management)
 Lotz, Jan Willem (Applied Ethics) (*cum laude*)
 Marx, Magdelt Mari (Science and Technology Studies)
 Maseela, Marethabile Kobasia (Monitoring and Evaluation Methods)
 Mazyambe, Margaret (Monitoring and Evaluation Methods)
 Mokoena, Edgar (Information and Knowledge Management)
 Mutale, Norah Mphoe (Monitoring and Evaluation Methods)
 Mwasubila, Jofrey Amanyisye (Information and Knowledge Management)
 Naidoo, Sagree (Information and Knowledge Management)
 Ndlovu, Vulindlela (Monitoring and Evaluation Methods)
 Ngozwana, Nthabiseng Adeline (Monitoring and Evaluation Methods)
 Nyambo, Violet (Monitoring and Evaluation Methods)
 Nyamudoka, Charles Munyaradzi (Monitoring and Evaluation Methods)
 Schoombee, Lucia Cornelia (Science and Technology Studies) (*cum laude*)
 Sechache, Lekhanya (Monitoring and Evaluation Methods)
 Seephephe, Mphosi Cletus (Monitoring and Evaluation Methods)
 Ter Huurne, Dominique Andrea (Urban and Regional Science) (*cum laude*)
 Towert, Dale Richard (Science and Technology Studies) (*cum laude*)
 Tshuma, Mthulisi (Monitoring and Evaluation Methods)
 Van der Merwe, Charl Jacobus (Applied Ethics)

Magister in Maatskaplike Werk Master of Social Work

Cairncross, Clarice Ruby (Social Work)
 Jacobs, Danyschka (Social Work)

Magister in die Musiek Master of Music

Alexander, Levi Eudo (*cum laude*)
 Davids, Ferroll-Jon (*cum laude*)
 De Villiers, Melorie Jane
 Nachenius, Marco Christian
 Struwig, Mieke (*cum laude*)
 Von Mollendorf, Marissa (*cum laude*)

Magister in die Lettere en Wysbegeerte in Visuele Kunste Master of Arts in Visual Arts

Carlini, Lara (*cum laude*)
Mpotsha, Thokozani

Magister in Stads- en Streeksbeplanning Master of Urban and Regional Planning

Esau, Moestaqem (Urban and Regional Planning)
Mcknight, Richard (Urban and Regional Planning)
Sullivan, Jade Lauren (Urban and Regional Planning)
Willemse, Amber Joe (Urban and Regional Planning)

Honneurs-Baccalaureus in die Lettere en Wysbegeerte Bachelor of Arts Honours

Abrahams, Kesia Tarryn (Journalism)
Adams, Rivka Barbara (History)
Almendro, Michelle (Ancient Cultures) (*cum laude*)
Bacon, Savannah (Journalism)
Badenhorst, Arlene (Sociology)
Bester, Cornelia Margaretha (English Studies)
Blake, Amber (Sociology) (*cum laude*)
Botes, Christan Nancy (English Studies) (*cum laude*)
Brand, Ilsebeth (Ancient Cultures)
Brown, Michael (Journalism)
Bucwa, Sipokuhle (History)
Button, Rachele Courtenay (Journalism)
Clapperton, Keilidh (Social Anthropology) (*cum laude*)
Cordom, Leo Travice (Journalism)
D'Errico, Bianca Jessica (History)
Dalbock, Abigail Margaret (Ancient Languages) (*cum laude*)
De Waal, Sanet (Translation)
De Wee, Heidi-Jane Mercia (Journalism)
Du Preez, Danielle Candice (Geography and Environmental Studies)
Edwards, Eboni (Sociology)
Erasmus, Geo Marais (Geography and Environmental Studies)
Esterhuizen, Lené (Chinese)
Ewert, Marguéríte (Translation) (*cum laude*)
Ferreira, Erin Andreas (Philosophy) (*cum laude*)
Fortuin, Calley Jean Jennifer (Sociology)
Gildenhuys, Abigail Robyn (Sociology) (*cum laude*)
Golach, Elrie (Translation)
Harmse, Natasha (Afrikaans and Dutch) (*cum laude*)
Hindley, William Robert (Drama and Theatre Studies) (*cum laude*)
Hoek, Sarah Ruth (Journalism)
Horne, Ella Louise (Sociology) (*cum laude*)
Inman-Bamber, Fern Alice (Journalism)
Julius, Tarah Julie (Chinese) (*cum laude*)
Kemp, Nadia (Sociology)
Knoetze, Frederick Wilhelm (Philosophy) (*cum laude*)
Kwinana, Nangamso (Psychology)
Lakay, Robin Venette (General Linguistics) (*cum laude*)
Latham, Byron Hugh (Journalism)
Lemmer, Jenna (Journalism) (*cum laude*)
Little, Rachel Camilla (Ancient Cultures)
Loots, Henriëtte (Translation)
Ludik, Natalie (Translation)
Mafata, Masego Ofentse (Journalism)
Manare, Lehlohonolo (Journalism)
Mclean, Kay-Lynn (General Linguistics)

Minnaar, Samuel Zacharias (Journalism)
Mkumatela, Asambese (Translation)
Mlomzale, Mfundo (Sociology)
Mostert, Gabrielle (Ancient Cultures) (*cum laude*)
Mujulizi, Joseph Mukisa Kibuuka (Sociology) (*cum laude*)
Mukutiri, Tinaye Mirabella (Sociology)
Nasson, Nicole Deanne (Journalism)
Ndaba, Tebogo (History)
Ndamandama, Masixole Paul (Geography and Environmental Studies)
Ndlovu, Isaac Welcome (Journalism)
Nothnagel, Anke (Journalism)
O'Regan, Victoria Patricia Margaret (Journalism)
Pillay, Kirthana (Journalism)
Pitt, Rebecca (Journalism)
Qinela, Vuyolwethu (Sociology)
Richards, Saarah (Philosophy)
Riddles, Callan Celeste (Journalism)
Rossouw, Lerissa (Sociology)
Sampson, Tegwen Lee (Ancient Cultures)
Schnabel, Daniela Victoria (Ancient Cultures)
Schroemges, Corinna (German) (*cum laude*)
Sekowe, Mashudu Cliff (Ancient Languages)
Setzer, Tyler Ellen (Journalism)
Shibambu, Lesego Simphiwe (Sociology)
Simpson, Huibrecht Aletta (Afrikaans and Dutch) (*cum laude*)
Smith, Daniële-B (Journalism)
Smith, James Warren (Philosophy) (*cum laude*)
Smuts, Loricka (History)
Solomon, Lynn-Mari (Afrikaans and Dutch) (*cum laude*)
Spandiel, Octavia Avesca (Journalism)
Steenkamp, Lezanne (Journalism)
Steenkamp, Neil (Chinese)
Swart, Lisa Ray (Social Anthropology)
Taliep, Sa-Eedah (French)
Ter Borg, Marlize (Translation) (*cum laude*)
Theron, Shirah (Philosophy) (*cum laude*)
Thomas, Carl Austin (Journalism)
Timson, Sam Ross (Philosophy) (*cum laude*)
Van Aswegen, Sarah Catherina (Afrikaans and Dutch) (*cum laude*)
Van Rooyen, Wilné (Journalism)
Van Staden, Elizma (Translation)
Van Wyk, Louis Johannes (History) (*cum laude*)
Waltham, Luke Anthony (Ancient Cultures) (*cum laude*)
Watling, Jessica Mary (Sociology)
Zimri, Mcniel Jehan (Philosophy)

Honneurs-Baccalaureus in die Musiek Bachelor of Music Honours

Holder, Alene Mari (*cum laude*)
Miles, Amy Kay
Varrie, Vincent
Williams, Cameron Trevor (*cum laude*)
Wolfswinkel, David Evan (*cum laude*)

Honneurs-Baccalaureus in die Lettere en Wysbegeerte in Visuele Kunste Illustrasie Bachelor of Arts Honours in Visual Arts Illustration

Coetzee, Hesté Hestelle Hélène (*cum laude*)
Lamb, Shannon Karina (*cum laude*)
Naik, Ruhini (*cum laude*)

Nagraadse Diploma in Toegepaste Etiek Postgraduate Diploma in Applied Ethics

Cornelius, Johannes Mattheüs (*cum laude*)
Du Plessis, Johannes Paulus (*cum laude*)
Engelbrecht, Sidney Frank
Fourie-Basson, Wiida Elizabeth (*cum laude*)
Graham, Clarissa Jane (*cum laude*)
Griffiths, Chris Vincent
Hamilton, Brett Joseph (*cum laude*)
Hodzongi, Ignatious
Honeycomb, Neil
Kunene, Hlengiwe Nombuso
Mogotsi, Tumelo Ame
Moshokwa, Rathabi Mack
Nel, Etienne Guillaume
Nkomo, Phumelele Ntokoza
Obasa, Adetayo Emmanuel Adegbenga
Ofunne, Ifeanyichukwu
Peach, Mark Andrew (*cum laude*)
Seynhaeve, Jeroen (*cum laude*)
Sunday, Zarina (*cum laude*)
Stassen, Willem (*cum laude*)
Van den Heever, David Jacobus (*cum laude*)
Von Ulmenstein, Dorothee Irene Freiin (*cum laude*)
Weber, Werner Burt (*cum laude*)

Nagraadse Diploma in Kennis- en Inligtingstelselbestuur Postgraduate Diploma in Knowledge and Information Systems Management

Miti, Victor (*cum laude*)
Mokoena, Lungile Primrose
Mokoena, Thato Naledi Boitumelo
Qomfo, Ayanda Yandiswa
Rantho, Kesegofetse
Ratshibvumo, Fulufhelo Suzan

Nagraadse Diploma in Monitering en Evaluering Postgraduate Diploma in Monitoring and Evaluation

Chioreso, Dianah
Ketlhoilwe, Morwadi Basilia
Lawal, Isiaka Ayobamidele
Lethunya, Paballo Paul
Lupahla, Ishmael (*cum laude*)
Maseko, Lindiwe
Maseti, Avene
Mboyi, Bulelwa Amorance
Mncina, Themba Wonder
Motsoasele, Hlompho Gerard
Mughongora, Oswald Siku
Munaku, Keansley Tinotenda
Ncipa, Qaqamba

Ndamase, Nozuko
Potgieter, Elnari
Rantsatsi, Lebohang Shadrack
Thatho, Thakane
Tizora, Yeukai Caroline (*cum laude*)
Tsoele, Mpopo Charles
Ugwanga, Selma Ndeshipanda
Wallace, Shelley Anne

Baccalaureus in die Lettere en Wysbegeerte Bachelor of Arts

Adamini, Kaitlyn
Adams, Maryam
Ahern, Kain Peter Adamo
Akherwaray, Tharwa
Anthony, Clement William
Attree, Nicola Lauren
Avenant, Samoné Jesse
Badenhorst, Marissa
Bailey, Robert Drew
Bam, Connor
Basson, Jessmin Beodett
Bau, Jemma
Bell, Gareth Glen
Bernardo, Shaznay Farren
Bird, Amber Sarah-Rose
Bolarinwa, Sibulela Omotola
Boshoff, Anna Louise
Boshoff, Janco Du Preez
Boshoff, Tiaan
Bosman, Brendan Morkel
Bosman, Chloë Martine
Botes, Jevan Daniel
Brett, Caro Elizabeth
Brickhill, Taryn
Burger, Anrike
Campbell, Stephen Alexander
Cassell, Lauren
Cerff, Bridget Tayla
Charity, Alissa Moira
Christie, Dominique
Coetzee, Valmarè
Conradie, Elani
Corte Portela, Maria Fernanda
Croxford, Kegan Raymond
Davids, Gita Angelica
Del Fava, Aqinnah Alexia
De Jongh, Daneel
De Kock, Nadia
De Lange, Calista
De Monk, Jade
De Wet, Tyla
Ditsela, Mokome Sabrina
Dixon, Chante Leigh-Ann
Dreyer, Dylan
Du Plessis, Adrienne Zendrea
Duiker, Charnè Carlyn

Dlamini, Sinethemba Innocentia
 Felix, Caleb Mark
 Firman, Shannon
 Foster, Sebastian William
 Fourie, Paige Anne
 Gallie, Shamim
 Gamiet, Mogamat Zubair
 Geldenhuys, Ellen Judit
 Gilmore, James Terence
 Goliath, Stacey Melanie
 Hanekom, Melissa
 Hapgood, Rosabel Patricia
 Haupt, Francois
 Henderson, Sarah-Ann
 Hindley, Britt Eryn
 Hudson, Reece
 Idas, Jamie Audrey
 Isaacs, Danelle Kayla
 Janse Van Rensburg, Maryke
 Jones, Demi
 Jones, Katy Joy
 Joshua, Monrelle
 Kalis, Emma Catherine
 Kaloli, Mpho
 Kamedien, Leilah
 Kilala, Nadine Deryck
 King, Abigail
 Knipe, Retha
 Knoetze, Max
 Kritzinger, Cornelia
 Kruger, Liezl
 Kruger, Luke Chad
 Kruger, Michaela Celeste
 Lakay, Jessica
 Lamberts, Kayler Kim
 Lang, Karla
 Lange, Emily Rebecca
 Laubscher, Charl
 Le Roux, Lauren
 Lewis, Mishka
 Linevee, Chandré Carlene
 Lord, Megan Saran
 Louw, Emma Therese
 Louw, Jessica Maria
 Louw, Matthew David
 Luden, Michael Kyle
 Maasdorp, Andréa Brenda
 Machinda, Ratidzo
 Maharaj, Arjun (*cum laude*)
 Majuru, Gamuchirai Shelter
 Malatji, Mokgethwa
 Matroos, Allison Micaela
 Matthews, Daanyaal
 May, Mihlali
 McWilliams, Ashley Jessica
 Middendorp, Tyrone
 Mirtle, Kyra Baileigh
 Mooneys, Renichia
 Morphet, Annabel Mary (*cum laude*)
 Mtiya, Tina
 Mtshontshi, Loyiso Chuma
 Naude, Khaila
 Ncube, Prince Arthur

Ndaba, Khanyisile
 Nel, Lauren Caitlin
 Ngudu, Qamani
 Noble, Simone Shanece (*cum laude*)
 Nsumbu, Jaconde
 Ntlahla, Nontlahla Avile
 Nxumalo, Olwethu Ongeziwe
 Parker, Ateeqah
 Pearson, Kelly Cherith
 Peddie, Brittany Irene
 Pelser, Tern
 Petersen, Chad Giovanni
 Philander, Robin Layken
 Phiri, Kumbukani Wezi
 Pretorius, Eric Neels
 Qamgwana, Siyakholwa
 Ramos, Angelique Nastasjia
 Rautenbach, Kirsty
 Rhoda, Aishah
 Rossouw, Daniëlle (*cum laude*)
 Saunderson, Matt Damon
 Schoeman, Herman Johan
 Schultheiss, Milena
 Scott, Samantha Leigh
 Simpson, Tammy Lee
 Singery, Carmen Claudia (*cum laude*)
 Smit, Kari
 Smit, Kyla Lee
 Smit, Michelle
 Soderlund, Julia Sarah Spencer
 Staines, Christian Nicholas Alexander
 Stander, Charne
 Strauss, Anneke
 Strydom, Alta
 Sulaiman, Basheer
 Swart, Dirk Werner
 Terblanche, Emma Leonie
 Terblanche, Wilri
 Theron, Danéll
 Theron, Marlize
 Troost, Josephine Jay
 Tyatyeka, Anathi
 Van As, Stepheny
 Van den Berg, Nicole Linda
 Van der Berg, Cleo Noelle
 Van der Merwe, Edwill Charl
 Van der Ross, Veronique
 Van Dyk, Nerine
 Van Schalkwyk, Maryke
 Van Schalkwyk, Megan
 Van Wyk, Louise
 Van Zyl, Lohan
 Venter, Zander
 Vermaak, Petrus Jacobus
 Versfeld, Chrizanne
 Verwey, Ignatius Michael
 Wepener, Ilse
 Wilkinson, Leone
 Williams, Nishaat
 Williams, Tristan
 Woodhall, Jessica Kate
 Yacoob, Saaniya
 Zurnamer, Zoë

Baccalaureus in Maatskaplike Werk
Bachelor of Social Work

Galant, Monique Chanté
Hartogh, Tami Lee
Jack, Thénorea Jacqnita
Kopana, Amanda
Mannel, Lizelle Melissa
Maponya, Rebecca Ramasela
Mate, Inam
Mdunyelwa, Charisma Nozuko
Mokome, Amanda Desiree
Mphahlele, Keoratile Elizabeth
Orsen, Leverage Allison
Pietersen, Antionette Jolene
Sceffers, Victoria Simone
Situ, Hlalanathi
Theodore, Andrea
Thys, Kim Jaline
Van der Linde, Tiffany
Williams, Ashlin Kayla

Baccalaureus in die Musiek
Bachelor of Music

Abrahams, Edwin Frederick
February, Emilio Lorenzo (*cum laude*)
Holmes, Portia Robyn
Louw, Jurie Johannes
Martin, Bradley Jerad
Mazibuko, Skhumbuzo Ziphozonke
Van der Westhuizen, Amanda

Baccalaureus in die Lettere en Wysbegeerte in Visuele
Kunste
Bachelor of Arts in Visual Arts

Abrahams, Mishkah Hanaa (Visual Communication Design)
Potgieter, Louita (Visual Communication Design)

Hoër Sertifikaat in Musiek
Higher Certificate in Music

Hanse, Mariana Simone
Munnik, Antonio Meldine
Peters, Ianthea

Virtuele Toekennings

Fakulteit Economiese en
Bestuurswetenskappe

30 Maart – 09:00

Virtual Awards

Faculty of Economic and
Management Sciences

30 March – 09:00



Fakulteit Ekonomiese en Bestuurswetenskappe

Faculty of Economic and Management Sciences

Magister in die Handelswetenskappe Master of Commerce

Boltman, Lindi (Economics)
 Breidenkamp, Annette Corlie (Economics)
 Chihana, Tafwirapo Shalom (Economics)
 Coetzee, Euné Yvonne (Economics)
 Darley-Waddilove, Joshua Ian (Quantitative Management) (*cum laude*)
 Davies, Gareth (Economics)
 De Ruyter, Anneke Marianne (Economics)
 Ellis, Esté (Economics)
 Esterhuizen, Nichale Carmen (Industrial Psychology) (*cum laude*)
 Goldmann, Julian George (Economics)
 Griessel, Rigardt (Industrial Psychology)
 Huysamer, Anna Jacomina (Industrial Psychology)
 Khumalo, Tsepang Juliet (Economics)
 Lalendle, Chumasande (Logistics Management) (*cum laude*)
 Laubscher, Nina (Business Management)
 Le Roux, Christiaan (Financial Risk Management)
 Lefeta, Tankiso Abiel (Economics)
 Lesenya, Ntai Victor (Economics)
 Loessl, Merindah Melanie (Economics) (*cum laude*)
 Malatji, Karabo Vincent (Economics)
 Marais, Lara (Economics)
 Meyer, Tanya (Industrial Psychology) (*cum laude*)
 O'Riordan, Alexander Charles (Economics) (*cum laude*)
 Pienaar, Willem Schalk (Economics)
 Potgieter, Nathan (Economics) (*cum laude*)
 Reinke, Maximilian (Economics)
 Smith, Lee-Thomas Malebyse (Transport Economics)
 Smuts, Jade (Economics)
 Strydom, Lise-Mae (Industrial Psychology) (*cum laude*)
 Thetard, Heinrich Mathias (Operations Research)
 Turner, Talbot Wayne (Business Management) (*cum laude*)
 Van Leeuwen, Rainer James (Economics)
 Van Zyl, Marilee (Business Management)
 Viljoen, Gabriel Nicolaas (Transport Economics)
 Von Stein, Heinrich Johannes Munting (Operations Research) (*cum laude*)
 Witthuhn, Keiran Ferdinand (Economics)

Magister in Rekeningkunde Master of Accounting

Botha, Christoff-Jacques

Magister in die Wysbegeerte Master of Philosophy

Arenz, Renitia (Management Coaching)
 Bam, Lesley Jazmine (Management Coaching)
 Beyers, Lourens Johannes Erasmus (Management Coaching)
 Billah, Idel Tokozani (HIV/AIDS Management) (*cum laude*)
 Bosworth, Amy (Sustainable Development Planning and Management) (*cum laude*)
 Bresendale, Diana (Futures Studies) (*cum laude*)
 Brewis, Etienne Andre (Futures Studies)
 Buenting, Camilla (Sustainable Development Planning and Management) (*cum laude*)
 Cain, Lloyd Stanley (Management Coaching)
 Carstens, Vanessa Elaine (Futures Studies) (*cum laude*)
 Cekwana, Nkosinathi (HIV/AIDS Management)
 Cilliers, Sonja Susanna (Management Coaching) (*cum laude*)

De Klerk, Eben (Futures Studies) (*cum laude*)
 Del Fava-Fry, Renata Julia (HIV/AIDS Management)
 Esau, Luceille (HIV/AIDS Management)
 Forbes, Richard (Management Coaching)
 Gadzayi, Prince (HIV/AIDS Management)
 Gwala, Mwampole Linus (Management Coaching)
 Hesselink, Marinus Johannes (Management Coaching)
 Heyl, Johannes Joubert (Futures Studies)
 Inukwa, Hilja Nambata (HIV/AIDS Management)
 Jhetam, Tasneem (Sustainable Development Planning and Management)
 Katsamba, Gerald (HIV/AIDS Management)
 Klauze, Jean Jacques Kalamba Mangole (HIV/AIDS Management)
 Kotze, Jacques Johannes (Management Coaching)
 Kweyama, Lungisile Bafunani (HIV/AIDS Management)
 Lager, Zachary Witwer (Sustainable Development Planning and Management) (*cum laude*)
 Luboya, Betukumesu (HIV/AIDS Management)
 Majola, Nozuko Lucricia (HIV/AIDS Management)
 Martins-Hausiku, Rosalia Nguve (Management Coaching)
 Mashego, Ephodia Letau (Management Coaching)
 Mathibe, Moritiwaboikhuco Keziah (Management Coaching)
 Mbundu, Owen (Futures Studies) (*cum laude*)
 Meiring, Wilna Johannah (Management Coaching) (*cum laude*)
 Meyer, Tracy Gail (Management Coaching)
 Mhango, Malizgani (HIV/AIDS Management)
 Milner, Madri Helen (Management Coaching) (*cum laude*)
 Mkabela, Nonhlanhla Prudence (Management Coaching)
 Mohale, Matodzi Odium (Environmental Management)
 Morake, Mary Lerato (Management Coaching)
 Motloun, Stacey Lauren (Management Coaching)
 Mpopu, Zibonele (Management Coaching)
 Mrwetyana, Nothemba (Management Coaching)
 Mwansa Mukuka Carol, Carol Mukuka (HIV/AIDS Management)
 Nabbi, Zurika (Futures Studies)
 Nangombe, Lovisa Ruth (Environmental Management)
 Ntombela, Simphiwe Siyabonga (Management Coaching)
 Odinga, Walkowa Akinyi (Management Coaching)
 Olinger, Hanno (Management Coaching) (*cum laude*)
 Opara, Ikechukwu Kingsley (Sustainable Development Planning and Management) (*cum laude*)
 Parker, Yumna (Sustainable Development Planning and Management)
 Pauw, Ivan (Sustainable Development Planning and Management)
 Qamarana, Thando (Futures Studies)
 Ramasotla, Tshagofatso Monica (HIV/AIDS Management)
 Ramlugan, Amaresh Singh (Management Coaching)
 Ratlabala, Patience (Management Coaching)
 Sam, Bernadette Imelda (Management Coaching)
 Sejane, Moipone Adelina (HIV/AIDS Management)
 Sejane, Teboho Penelope (Futures Studies)
 Simango, Olivia (HIV/AIDS Management)
 Solomon, Bianca Lisa (Management Coaching)
 Tshinanu, Bulungu Martine Beia (HIV/AIDS Management)
 Wilke, Christine (Management Coaching)
 Wright, Nomthandazo Kate (HIV/AIDS Management)
 Zimudzi, Ivirn (HIV/AIDS Management)

Magister in die Wysbegeerte in Ontwikkelingsfinansies Master of Philosophy in Development Finance

Chauke, Emmanuel
Chithenga, Innocent
Dlungwane, Siphumelele
Kenosi, Lesego Benedict
Majamanda, Sitabene Kozgani Auxillia
Makube, Mpuka Kgorong Paul
Malakalaka, Mmamelao Moira
Moloto, Nicodemus Machete
Morake, Tsholofelo Ipeleng
Ndaba, Sifiso Skhumbuzo Hendrick
Ndabeni, Inga Sxolile
Ngcobo, Gugulethu Ntokozo
Ntsamai, Okhela (*cum laude*)
Onuigwe, Gloria
Rapiya, Sinombulelo
Shilongo, Rosa Maria
Stafford, Edgar Frederick
Tsowaseb, Herwin Scanner
Van der Merwe, Karen
Zuma, Demetrius Nkosiya

Magister in Besigheidsbestuur en -administrasie Master of Business Management and Administration

Ackerman, Johannes Theodorus
Ackermann, Estelle
Adams, Moegammad Isgaaq
Adonis, Grant Anthony
Ambrose, Duane Clinton
Baldwin, Ashley Amy (*cum laude*)
Banda, Senia
Barnard, Pieter Cornelius
Basson, Chrisna
Basson, Renier
Bester, Johannes Gideon
Beukes, Michelle Gene (*cum laude*)
Blomerus, Henry Phillip
Bode, Werner Adolf (*cum laude*)
Bokoda, Vukile Patrick
Bolland, Colin Fraser
Breitwieser, Martin
Burchell, Brian Ronald
Buruuru, Brighton
Cape, Sharalee
Carstens, Wynand Adriaan
Chapwanya, Crecencia Naison
Chilume, Otlarongwa
Cobb, Christopher Charles (*cum laude*)
Coetzee, Pierre Frederick (*cum laude*)
Cumming, Matthew Alan
Curtis, Michael James (*cum laude*)
De Kock, Martin Enslin
De Villiers, Rocco Catoggio (*cum laude*)
Dlamini, Moses Trinity
Dolley, Alexander
Du Plooy, Claudia (*cum laude*)
Du Preez, Patrick James
Du Toit, Francois Herculas
Dushimire, Jean-Pierre

Ellitson, Paloma-Bianca
Engelbrecht, Dirk Bosman
Fasondini, Mario Erich
Finlayson, Heather (*cum laude*)
Fisch, Morgan Gilbert
Fourie, Francois
Fourie, Japie Hermanus Johannes (*cum laude*)
Fourie, Marzaan
Fransman, Thirston Francois
Fredericks, Cheze
Gideon, Hendrina Peingombili
Goniwe, Nicholas Sandisile
Govender, Sherwin
Greeff, Alba
Hancke, Hendrikus
Hazel, Melvin James
Hazemba, Chilobe Abigail
Henning, Janneke
Heyns, Aniska (*cum laude*)
Heyns, Hendrik Jacobus Oostenwaaldt (*cum laude*)
Hoffman, Madelein
Hurst, Jessie (*cum laude*)
lindombo, Julia Dhimbulukweni
Jansen, Suzanne
Jooste, Michelle (*cum laude*)
Joubert, Mandi (*cum laude*)
Julies, Radcliff
Julies, Richard Abel (*cum laude*)
Kagwamminga, Rabson
Kalili, Namene Saimon Mbushetu
Kambatuku, Mekupi
Kanime, Aini Mpingana
Kinnear, Willbert Lloyd
Kok, Nandi
Kolver, Alain
Kotze, Bernhard
Kotze, Leana (*cum laude*)
Kotzee, Willem Frederik (*cum laude*)
Kruger, Annemie Francis
Laishley, Esther Kay
Leibowitz, Jaya (*cum laude*)
Lewis, Modesty Kem
Macingwane, Nombeko Priscilla
Madyausiku, David
Mahoya, Munyaradzi
Makhetha, Bokang
Makhoba, Charmaine Refiloe
Marais, Francis (*cum laude*)
Marx, George Frederik Stephanus
Matlou, Makubung Samuel
Matshubeni, Brutus Paul
Matthews, Peter
Mbokane, Innocent Velly
Meintjes, Quentin (*cum laude*)
Melim, Leandro Filipe Andrade
Meso, Phuti Joel
Meyer, Diane Joy
Mhlaba, Sifiso Julius
Mhlongo, Rirhandzu Beauty

Mohlaba, Khataza
 Moloi, Motshidisi Theresa
 Moodley, Gillian Pryadarshini
 Moolman, Izak (*cum laude*)
 Morony, Clare Isobel
 Mosca, Hendrikjan Frans
 Mosetic, Dylan (*cum laude*)
 Moyo, Beaver
 Mpiyane, Nomananda Blossom
 Muller, Duane
 Muller, Elsie Maria
 Myburgh, Leanla (*cum laude*)
 Mzongwana, Andrew Mbulelo
 Naidoo, Kesendra
 Naidoo, Premalia
 Naidu, Vanessa
 Nambahu, Yvette Zoe Ndapewa
 Ncube, Sandisiwe
 Ndeunyema, Pombili (*cum laude*)
 Ndjamba, Lukas Kativa
 Ndondlwana, Zosuliwe Pamela
 Nene, Sibongile
 Ngcobo, Vusiwe Thokozani Felicity
 Nghaamwa, Ndaitavela
 Ngobeni, Nwakhada Michael
 Nkomo, Khethukuthula Wiseman
 Nkomo, Zanele (*cum laude*)
 Nortje, Jaco
 Ntokoto, Mpho
 Ntuli, Bongani
 Nunes, Darren Robert
 Nxele, Mlulami
 Nyathi, Catherine
 Obeng-Adjei, Akwasi
 Panday, Nashant (*cum laude*)
 Pieterse, Stephan
 Pietersen, Dale Angus
 Pillay, Ravishka
 Pilusa, Mmabatho Pearl
 Pinehas, Eino Tunehafo
 Quwe, Pateka
 Rahim, Ahmed
 Rasikhinya, Khodani
 Rautenbach, Johan Andries (*cum laude*)
 Reddy, Chandre Jade
 Sakhau, Abel Jankie
 Sandenbergh, Reandi
 Schoeman, Nicolaas Marthinus
 Schutte, Wynand
 Scott, William Edward
 Shailemo, Nangula Tuyenikelago
 Shezi, Sifundo Clive
 Shumba, Tanaka
 Sikhosana, Siphindile Brenda
 Sithole, Mfundo Alfred
 Smit, Jacobus Johannes (*cum laude*)
 Smit, Pieter (*cum laude*)
 Smith, Jennifer Gloria
 Song, Chao
 Steynberg, Léander Duvan (*cum laude*)
 Steynberg, Mariun Johan
 Strauss, Melene

Subramany, Rodney
 Sultan, Nazrana
 Swart, Hans Bernardus (*cum laude*)
 Swartz, Cherel Imelda
 Terblanche, Jurgens Stephanus
 Tshweneyame, Mpho Hilda (*cum laude*)
 Van Aarde, Michiel Nicolaas
 Van der Merwe, Elrike
 Van der Vyver, Willie
 Van Heerden, Sonet
 Van Nijkerk, Jan
 Van Rooyen, Cornelius Johannes
 Van Staden, Johannes Petrus
 Vicquery, Stefano
 Williams, Beverley Ray
 Zietsman, Paul Hendrik

Magister in Publieke Administrasie **Master of Public Administration**

Colborne, Meryl-Lynne
 Hadebe, Thokozani Philani Siyabulela
 Kabingesi, Anele Wonder
 Keatimilwe, Nonqaba Tebogo
 Mdoda, Vuyiseka Cynthia

Honneurs-Baccalaureus in die Handelwetenskappe **Bachelor of Commerce Honours**

Abbott, Jason Trevor (Financial Risk Management)
 Ackermann, Marguerite (Economics)
 Anton, Rita (Logistics Management)
 Bentley, Matthew Mitchell (Economics)
 Bezuidenhout, Gerrit Wouter (Economics) (*cum laude*)
 Bosman, Lisa-Marie (Financial Risk Management)
 Botha, Giselle Sari (Business Management)
 Boysie, Tandolwetu (Management Accounting)
 Brand, Michael Charles (Economics)
 Brink, Zeniël (Public and Development Management)
 Brummer, Rigardt (Economics)
 Burger, Carli (Public and Development Management) (*cum laude*)
 Carstensen, Melissa (Financial Risk Management)
 Chitepo, Marvin Kudzanayi (Human Resources Management)
 Dachs, Emma Catherine (Economics) (*cum laude*)
 Davids, Tamaara (Public and Development Management) (*cum laude*)
 De Nobrega, Hannah (Economics)
 Diener, Marieke (Management Accounting)
 Douglas, Jacobus Lodewicus (Economics)
 Du Toit, Elizabeth Alexandra (Economics)
 Endenburg, Kyla Jo (Economics)
 Erlank, Charlene Elizabeth (Management Accounting)
 Evans, Kelly Laura (Economics)
 Henkel, Dayna Joy (Actuarial Science)
 Hitchins, Aaron Daniel (Management Accounting)
 Huffer, Calvin (Economics)
 Hyde, Andrew James (Economics)
 Hyde, Stuart Patrick (Economics)
 Immelman, Andre (Economics)
 Jacobs, Curtley Reece (Public and Development Management)
 Jankovich-Besan, Timothy Hugh (Economics)
 Jefthas, Amy Marion (Management Accounting)
 Kgatle, Tebogo (Logistics Management)

Korf, Ariane Helene (Economics)
 Leppan, Timothy Dudley (Logistics Management)
 Links, Tamia Haroldene Sarahjoan (Public and Development Management)
 Locke, Robyn (Logistics Management)
 Lomberg, Courtney Storm (Management Accounting)
 Macleod, Aidan James (Economics)
 Madikizela, Sinethemba (Public and Development Management)
 Malan, Jana Maureen (Actuarial Science)
 Marais, Anja (Logistics Management) (*cum laude*)
 Mason, Kai Sebastian (Actuarial Science)
 Masuku, Nothando Thandeka (Business Management)
 McCreedy, Yasmin Grace (Economics)
 Meek, Caroline (Economics)
 Meyer, Georg Johannes (Actuarial Science)
 Mkhabele, Nkensani Keneth (Transport Economics)
 Mkhize, Nhlakanipho Siyanda (Actuarial Science)
 Mtshali, Sinazo Afikile (Public and Development Management)
 Mulckhuyse, Hannah (Logistics Management)
 Muller, James Frederick (Management Accounting)
 Murape, Natalie Tatenda (Management Accounting)
 Mwelase, Zanele (Statistics)
 Neethling, Johannes Henoeh (Logistics Management) (*cum laude*)
 Nel, Heide Sylvia (Management Accounting)
 Nel, Liche (Actuarial Science)
 Njuguma, James Muchangi (Actuarial Science)
 Ntsabo, Aviwe (Economics)
 Nyman, Kesha Simone (Public and Development Management) (*cum laude*)
 Paul, Rene Lauren (Transport Economics) (*cum laude*)
 Pengelly, Cassandra Dulcie (Economics) (*cum laude*)
 Perrott, Matthew (Economics) (*cum laude*)
 Prinsloo, Zander (Economics and Mathematical Statistics) (*cum laude*)
 Ramaisa, Mokgeseng (Mathematical Statistics)
 Raubenheimer, Grace Elizabeth (Economics)
 Richardson, Sean Geoffrey (Economics) (*cum laude*)
 Roboji, Simanye Zenazi (Operations Research)
 Rossouw, Jonathan Craig (Economics and Mathematical Statistics) (*cum laude*)
 Ruby, Claire Frances (Quantitative Management)
 Samuels, Nicole Inge (Actuarial Science)
 Schreuder, Bianca (Management Accounting)
 Shepherd, Cameron Beaumont (Economics)
 Sherriffs, Keegan Selous (Management Accounting)
 Shokkos, Demi (Logistics Management)
 Shomeya, Salom Heita (Public and Development Management)
 Stambolie, Estelle (Economics)
 Steenkamp, Christiaan (Industrial Psychology)
 Steenkamp, Shaun Francois (Actuarial Science)
 Stevens, Lauren (Economics)
 Swart, Henlo (Management Accounting)
 Tessendorf, Nikita Tenille (Industrial Psychology) (*cum laude*)
 Uys, Sebastian Frank (Economics)
 Van der Berg, Jessica (Economics)
 Venter, Nicola (Management Accounting)
 Vetten, Karla (Financial Risk Management)
 Visser, Anke (Economics)
 Vivier, Chanté (Economics)
 Vollgraaff, Kristi (Quantitative Management)
 Widegger, Bradley Alfred (Logistics Management)

Honneurs-Baccalaureus in die Handelwetenskappe in Informasiestelselbestuur **Bachelor of Commerce Honours in Information System Management**

Humphreys, Erin Austin Conwill
 Ibrahim, Mohamed Zaakir
 Small, Wesley Jonathan

Honneurs-Baccalaureus in Rekeningkunde **Bachelor of Accounting Honours**

Antrobus, Campbell Stephen
 August, Brayton Heinrich
 Baard, Janke
 Barnard, Jeandri
 Bellingan, Ruan
 Bernard, Pieter-Ben
 Blore, Geoffrey Michael
 Boyes, Duncan Mitchel
 Brown, Ragmat
 Buchanan, Ryan
 Burger, Johané
 Chemaly, Matthew John
 Chetty, Ramiz
 Christodoulou, Andreas Dimitri
 Cilliers, Nicolas James
 Coetzee, Boris
 Cooper, Matthew Neal
 David, Richard Donald
 Du Toit, Anel
 Duister, Emeleo Dennis
 Duthie, Melissa Jane
 Dzichauya, Gloria
 Edwards, Ross Andrew
 Elmes, Ashleigh Anne
 Ephraim, Courtney Laycon
 Fihlani, Sinobomi
 Fleischhauer, Konrad Rossouw
 Fourie, Lara
 Fraser, Christian Peter John
 Gaweda, Franciszek Marek
 Gouws, Dylan Ryan
 Greyvensteyn, Liane
 Groenewald, Keegan Braddon
 Gumede, Minenhle Bright
 Herselman, Reinhard
 Honing, Adrian
 Jansen Van Rensburg, Leemé
 Jennings, Megan Lee
 Jonkers, Tenielle Amber
 Joubert, Daniël
 Kamudyariwa, Mutsa Natalie
 Kasselmann, Lawrence Ralph
 Keller, Petrus Jacobus
 Kemp, Stephen Patrick
 Koch, Oliver Lewis
 Kriel, Adriaan Louw
 Lambrechts, Nicholas Hugo
 Lawu, Lihle
 Linde, Johannes Jacobus
 Lombard, Pierre Francois

Lureman, Duo Agenor
 Mabuza, Anele Phephile
 Madondo, Nontuthuko Uyanda Zevile
 Maree, John Michael Harry
 Mars, Inès
 Mathebula, Collins
 Mbatha, Nozipho Nomvelo
 Melvill, Zach Harry
 Minnaar, Tori Sue
 Moon, Andrew John
 Moosa, Ayesha
 Moss, Courtney Jane
 Mottram, Tayla Jade
 Muller, Caitlin Ann
 Murray, Ryan Craig
 Naidoo, Laneise
 Neethling, Mieke
 Nel, Nadine
 Njuguma, Maureen
 Nyabereka, Natasha Paidamoyo
 Pieterse, Arina
 Pontac, Brent Lester
 Rossler, Thierry Christian
 Rossouw, Lizelle
 Schmulian, Lara Olivia
 Shonhiwa, Michael Tanyaradzwa
 Sieberhagen, Marthie
 Siegruhn, Taneka
 Singh, Bianca
 Slamet, Du-Wayne Deon
 Smith, Rudi
 Smith, Stephen Mpho
 Stander, Kara Mari
 Strydom, James Robert
 Swanepoel, Petrus Francois
 Swart, Gerbagch Jacobus
 Swiegers, Christian Willem
 Taitz, Daniel Ende
 Theron, Charlize
 Todd, Julia Catherine Anna
 Tyler, Ashtyn Paige
 Van der Ross, Evangeline Deborah
 Van Eeden, Megan Nolene
 Van Rooyen, Burger Rigardt
 Van Wyk, Sune
 Von Klopman, Alexander
 Weels, Nicole Sume
 Wessels, Yolandi
 Wiese, Nina
 Wright, Drew
 Zondo, Sihle
 Zono, Bulelwa Natasha

Honneurs-Baccalaureus in Publieke Administrasie **Bachelor of Public Administration Honours**

Bapela, Cathrine Mmarona
 Benjamin, Lee-Anne Ferial Verna
 Biyela, Zama Ntobeko
 Captain, Thulisile Prudence
 Christoffels, John David
 Cornelissen, Clement

Damons, Salman
 Dyantyi, Zitheliwe
 Floris, Tanya Bridgitte (*cum laude*)
 Gunuza, Lindiwe
 Hlanganisa, Sabelo
 Johnson, Gavin Mark
 Jonkers, Johannes
 Katire, Ferdinand
 Kearns, Marco Romeo
 Kondleka, Simphiwe Sydney
 Lawrence, Miselwa
 Lewack, Peter Johannes
 Love-Fortuin, Pauline Joy
 Magadla, Lukho
 Maharaj, Pradeepkumar
 Mahlalela, Bridgette Nompumelelo
 Mahosi, Ngwako Oswald
 Makenisi, Colin Bongile
 Mamabolo, Simon Manaba
 Maphuthu, Tshepiso Joel
 Mashaba, Ruth Raesetsa
 Mazibuko, Lakie
 Mbolompo, Joseph Sabelo
 Mbulelo, Mxoliseni
 Mdelo, Siviwe Simon
 Mdludlu, Yongama
 Mgoqi, Sizeka
 Mgwebile, Lindeka Cornelia
 Mlombo, Priscilla Simphiwe
 Mngomezulu, Matukutela Walter
 Mnyango, Bulelwa
 Mokako, Ndumiso Thokozani
 Moldin, Zimasa
 Moodley, Margaret Wirna
 Morake, Esther
 Mosia, Brenda Masileka
 Mthiyane, Khethokuhle Nomandla
 Mtsabe, Thantaswa Nobuntu
 Mtsweni, Phumzile
 Mukununde, Shumani Robert
 Ndwayana, Hamilton Ncedo
 Ngamlana, Mcdonald Mahlubandile
 Ngceba, Mzontsundu
 Ngxamngxa, Thulisa
 Ntlokwana, Ncumisa Pamella
 Oppel, Jacques Franklin
 Paluku, Jean-Patrice
 Plaatjie, Vuyiseka Shelly
 Plaatjies, Lezelle Lee-Ann
 Prins, Whitney Abenita
 Rammitlwa, Palesa
 Robyn, Johan Godfrey
 Samente, Luzuko
 Saungweme, Sandra Siziwe
 September, Danielle Francis
 Sheraton, Charlene Doreen
 Sibanyoni, Mandla Gerald
 Soebhele, Nneheng Belinda
 Songwevu, Thuliswa Neziswa
 Tamboer, Lumka
 Tladi, Steve
 Tshologwana, Makaziwe

Ulana, Vuyolwetu
 Van Schoor, Bevan Lester (*cum laude*)
 Van Wyk, Franklin Gerhardus
 White-Phillips, David Dixon

Nagraadse Diploma in Leierskapontwikkeling Postgraduate Diploma in Leadership Development

Alli, Rashaad
 Botha-Schoeman, Mariana Susara
 Buitendacht, Conrad
 Campher, Erin Grizelle
 Dannhauser, Nicholaas Jacobus
 Domo, Luleka
 Du Plessis, Christiaan Johannes (*cum laude*)
 Gordon, Leigh-Ann
 Lambrechts, Francois Dominicus Jacobus
 Lamola, Hluphekile Violet
 Langa, Molebatsi
 Le Roux, Ricardo Dean
 Lottering, Urshurla
 Mainganye, Elelwani Tshamaano Dorcus (*cum laude*)
 Mapena, Amanda
 Mlahleki, Nono
 Mojalefa, Zamabongo Pamella (*cum laude*)
 Mushambi, Alois
 Mwanza, George
 Nafuka, Tulimoshili Matheus Pendapala
 Ngolo, Kaarin Ndeapo
 Niemand, Jakobus Johannes Abram
 Nkabinde, Nkosingiphile Stevenson
 Olivier, Trizelle Monique (*cum laude*)
 Pick, Enro Kyle (*cum laude*)
 Plato, Linci Rene
 Rukundu, Marvellous (*cum laude*)
 Schoeman, Gertruida (*cum laude*)
 Sibanyoni, Mbali Patience
 Tait, Shaun Jonathan
 Takalani, Nompumelelo Zakithi (*cum laude*)
 Van der Westhuizen, Yolanda
 Van Kradenburg, Sonja Etherisia (*cum laude*)
 Voges, Petrus Christiaan
 Wolf-Gillespie, Isabel

Nagraadse Diploma in Volhoubare Ontwikkeling Postgraduate Diploma in Sustainable Development

Bangela, Andiswa
 Barbosa, Carolina Tomaz (*cum laude*)
 Baudet, Emeline Aimée Juliette (*cum laude*)
 Botha, Louise Marguerite (*cum laude*)
 Burrows, Steffen Hugh (*cum laude*)
 Dalamakis, Guy Michael Melless (*cum laude*)
 De Swardt, Annina
 Dhlamini, Angeline Itumeleng
 Eyre, Ross
 Gultig, Emma Alexandra
 Kay, Zaakirah
 Lee, Haeun (*cum laude*)
 Mautloa, Lesego
 May, Jacqueline
 Millapo, Sheena (*cum laude*)

Mokoena, Karabo Nanaki Thabang
 Mve, Sivuyisiwe
 Mvundla, Asanda Sinethemba Bridget
 Otieno, Walter Orlando
 Paterson, Margo (*cum laude*)
 Perthel, Maxine (*cum laude*)
 Poorun, Argon (*cum laude*)
 Richards, Nichola Deborah Mcculloch (*cum laude*)
 Smith, Storm
 Swart, Lourens
 Tau, Ramakatu Abey
 Van Achterbergh, Elzé (*cum laude*)
 Van den Bergh, Camryn (*cum laude*)
 Van Staden, Liandra

Nagraadse Diploma in Omgewingsbestuur Postgraduate Diploma in Environmental Management

Desai, Mohamed Laeeq
 Ekandjo, Ndeyapo Kondja Otilie
 Maceba, Sinazo
 Nsende, Evans
 Sheimi, Nestor Anghuwo
 Shilongo, Genovefa Magano

Nagraadse Diploma in Projekbestuur Postgraduate Diploma in Project Management

Baklei, Sonwabile Piet
 Barnard, Mia (*cum laude*)
 Brown, Rushdi Edgar (*cum laude*)
 Carelse, Tarryn Anne
 Coshiwe, Njabulo Blessing
 De Necker, Liezl
 Dickson, Ryan Darrell
 Dorfling, Konrad Edmund
 Dziba, Joyce Bulelwa
 Ford, Keegan Alec
 Galada, Xolisani Macdonald
 Gcelu, Charmaine Bukeka
 Ggita, Timothy
 Hauwanga, Beatha Tuufulwa
 Iita, Victoria
 Johnsen, Dale Aston
 Julius-Brander, Shirlynn
 Khoza, Jabulani
 Leoschut-Benjamin, Stephanie Nicole
 Mafereka, Johannes Ngaka
 Masepe, Lineo
 Mashifane, Molate Lehlogonolo Geoffrey (*cum laude*)
 Mavume, Zodidi Asa
 Mazeka, Queen Lungile Zodwa
 Mkunzi, Mthethutsho Sive
 Mohlahlo, Motsamai Ernest (*cum laude*)
 Mokhele, Itumeleng Brian
 Mtiki, Ntombomzi
 Nkambule, Nokulunga Mologadi
 Nunes, Silvia (*cum laude*)
 Pienaar, Cindy Corinne
 Pool, Tertius
 Radebe, Piet Lesiba
 Saruchera, Fanny (*cum laude*)

Schmid, Simone (*cum laude*)
 Segadimo, Thato Chandapiwa
 Shapumba, Tulonga-Ria
 Sibeko, Pumza
 Sidlayi, Lwanda
 Silinga, Siyabonga
 Simelane, Sithembile
 Sithole, Phindile
 Thomas, Nelson Thobile
 Vilakazi, Sithembile Gracious
 Webb, Diane May (*cum laude*)
 Williams, Grant
 Zungu, Siboniso Mzwandile

Nagraadse Diploma in Finansiële Beplanning Postgraduate Diploma in Financial Planning

Buddle, Caitlin Hamilton
 Clark, Liezel
 Ludik, Bianca Trudie
 Mgijima, Onele
 Nel, Joaneske

Nagraadse Diploma in Bemaking Postgraduate Diploma in Marketing

Behrens, M.R
 Benxa, Viwe
 Peters, Matthew Edward
 Qutsu, Aviwe
 Van der Nest, Bea

Nagraadse Diploma in MIV/Vigsbestuur Postgraduate Diploma in HIV/AIDS Management

Ayebola, Pat Ade (*cum laude*)
 Bambiso, Bandile
 Bucibo, Sanah
 Bunguba, Kalala Carlos
 Buys, Erin Keshia
 Cakuma, Sibongile Theodora
 Cele, Sinothile Happiness
 Chabangu, Valencia Jamela
 Chitehwe, Kudakwashe
 Chitimwango, Priscilla Chisanga
 Choabi, Dineo Charity
 De Vos, Marius Nico
 Deshe, Tafara
 Dichaba, Tlamele Cathrine
 Dlamini, Ayanda
 Dlodlu, Thandeka Abigail
 Dlungwana, Innocentia Nobuhle
 Dube, Lwazi Knowledge
 Dyosi, Sakhiwo
 Ehetsha, Owamba Guylain
 Embashu, Ndakondja Salem
 Etty, Samantha Ronelle
 Gcisa, Kutala Theodorah
 Hamukoto, Hilaria Nghifiwaunye
 Hanyinda, Kelvin
 Jalazi, Ashley
 Jauza, Yonela

Jobe, Siphamandla Vincent
 Kamati, Monika Naapopye
 Kambonde, Hilde Dhiginina
 Kananga, Kalambayi Aime-Rosaire
 Kasera, Cosmas Muyenga
 Khanyile, Lwandle
 Kili, Ziyanda
 Koneshe, Constance Koneshe
 Kreijtz, Anne Loes (*cum laude*)
 Langa, Emmanuel Lehlohonolo (*cum laude*)
 Lefosa, Malefu
 Lekhutla, Teboho Ephraim
 Lengo, Nezingu Djon
 Lubungu, Kasay Roger
 Lutchman, Helena (*cum laude*)
 Mabaso, Hope
 Macakela, Mzonke Derrick
 Madanda, Livhuwani Marcia
 Magadla, Siphosethu Prudence
 Magubane, Pamela Nombuyiselo
 Majola, Bongani Francis
 Makgale, Matumelo Mphohadi
 Makhubu, Nelisiwe Getrude
 Maki, Chumani
 Manamela, Jackobeth Tlangelani
 Manena, Muembo Felly
 Maoto, Millicent (*cum laude*)
 Matabane, Mashofong Mamoso Zipporah
 Mathipa, Matheus Tiyo
 Matlala, Jackson Ketlakgona
 Matlala, Tshiko Frank
 Matomane, Zanethemba
 Matsapola, Matshediso Lydia
 Matsebula, Lindelwa
 Matyaleni, Nosiphiwo Princess
 Mbaki, Mabela Johnny
 Mbatha, Sandra Judith
 McCree, Charne Haylee
 Mchunu, Lilian
 Mekuto, Koleka Talitta
 Mhlauli, Nombuzo
 Mhlongo, Joan Zaselangeni
 Mhlongo, Mongezi Luyanda
 Mlonyeni, Lona Neria
 Mncwabe, Nosipho Jennifer
 Mohlabi, Teboho Charles
 Mokoroane, Moletsane Lincoln (*cum laude*)
 Monsembula, Malias Julien
 Mopolo, Lesedi
 Moropa, Cylia Kamogelo
 Moruri, Pulane Augustina
 Mosweu, Kgalalelo Amantle
 Mothibeli, Palesa
 Motshwane, Sellwane Johanna
 Mpotla, Nthabiseng Merriam
 Mthimkhulu, Khulekani Richard
 Muchemwa, Charlton Passmore (*cum laude*)
 Mukadi, Mutombo Patricko
 Mukheli, Tshikonelo Alex
 Munepapa, Nambunga Tjidhimbeeho
 Mwanyekange, Olivia Etupa Nangula
 Nakapela, Johanna Nangombe

Nchabeng, Teliso
 Ndlazi, Tozeka
 Ndikundavyi, Alain Godefroid
 Nene, Siboniso Wilson
 Ngandu, Nzengu
 Ngubane, Nontobeko Precious
 Ngubane, Zinhle Jabulile Olivia
 Nkadimeng, Naledi
 Nndlovu, Wiseman Andile
 Nyadenga, Dorcus (*cum laude*)
 Phokane, Jeannette
 Pii, Moliehi Bernice
 Ranthocha, Letsema Ammanuel
 Sebetha, Kamogelo
 Sebetlele, Monnye Caroline
 Seile, Moeti Delinga
 Sejelampeng, Malau Daniel
 Sejelampeng, Malefu
 Shabalala, Pholani
 Shereni, Princess Shingai
 Shikongo, Susan Ndeshihafela
 Sibiya, Nobuhle
 Sikuza, Sinethemba Sybil
 Skosana, Thawen Piet
 Smith, Amber Lauren
 Storm, Robin-Lee Radloff
 Sukwana, Nocawe
 Tavaruva, Patience
 Tema, Frans Aubrey
 Thae, Tsholofelo Thelma
 Theko, Nthofela Irene
 Thwala, Boitumelo Nomcebo
 Tibamwenda, Doudou Bamuhiga
 Tsehla, Relebohile Lucia
 Tshite, Mable Kegopotswe
 Tsoeu, Mamorapeli-Limpho
 Tsotsi, Zukiswa
 Tyatyeka, Zanethemba
 Van Staden, Abigail Bonita
 Vhulahani, Jane
 Zwane, Bernice Dikeledi
 Zwane, Thamsanqa Paulos

Nagraadse Diploma in Besigheidsbestuur en -administrasie **Postgraduate Diploma in Business Management and** **Administration**

Abbas, Syed Muhammad Asad
 Abrahams, Yazeed
 Adonis, Joy
 Andrag, Jolanda (*cum laude*)
 Annamalai, Laveshan (*cum laude*)
 Bhoolia, Karishma (*cum laude*)
 Botha, Abraham Lodewikus
 Cerfontyne, Paulrick
 Chen, Yinwei
 Cloete, Pagel Mark
 Coetzee, Casper Hendrik (*cum laude*)
 Cupido, Gareth Charles (*cum laude*)
 De Jager, Phillip Hercules
 De Villiers, Isa-Marié (*cum laude*)
 Deyi, Mcebisi
 Ehlers, Mone (*cum laude*)

Gallant, Shameema
 Germishuys, George Lezer
 Gokool, Kishan
 Hellenberg, Wesley
 Hlambelo, Julias
 Hoala, Neo
 Husnain, Muhammad Ammar
 Isaacs, Justin
 Kauaseuapo, Johannes Exile Kenamuruke
 Knoesen, Thomas Johannes
 Langeveldt, Bronwin John Rhandel
 Lary, Stephan
 Macauley, Dominic Julian (*cum laude*)
 Mahloko, Vincent Thobatsi
 Mahoko, Kennedy Timothy Lebogang
 Majola, Khulekani Sygney (*cum laude*)
 Makoe, Mpho
 Mbekeni, Nonhlanhla Yvette
 Mbombo, Guguletu
 Meiring, Pieter Frederik
 Mettler, Ferdinand
 Monareng, Nomcebo Abigail
 Muller, Tanya
 Mzee, Michelle Nyambura
 Ndlodaka, Phinda
 Nedouvhada, Fulufhelo Portia
 Ngqakayi, Thozama Ndileka
 Nixon, Ian Andrew
 Ogotseng, Gorata Pearl
 Olivier, Steffen
 Omelo, Cebo Sam
 Petersen, Garth William
 Pillay, Jadene
 Pillay, Kyle
 Pillay, Pranellan Surendra
 Pillay, Santhan Jayaram
 Ras, Lu-Aan
 Smal, Kelly-Lee (*cum laude*)
 Sokomane, Thokozile Victoria
 Strydom, Pieter Andries
 Swart, Magdalena Catharina
 Taylor, Malcolm Andrew
 Van Zijl, Michael
 Van Zyl, Martha Maria
 Wiggins, Henry-Peter (*cum laude*)

Nagraadse Diploma in Toekomsstudie **Postgraduate Diploma in Futures Studies**

Alexander, Natasha Anne (*cum laude*)
 Baxter, Guy Christopher (*cum laude*)
 Bolsiek, Katlego Maite Catherine
 Brandt, Delavira Ermentrude
 Buthelezi, Nobuhle Ntandoyamashenge
 Charlie, Lesego
 Chipu, Sello Codney
 Cromwell, Liezl Ann (*cum laude*)
 Diamond, Kanyisa Nwabisa
 Eckard, Ninette (*cum laude*)
 Erlank, Howard Ian
 Fick, Lambert Hendrik
 Hala, Arnold Abongile
 Ijssel De Schepper, Catrijne Elisabeth (*cum laude*)

Jansen, Jauque
 Jentel, Letitia Heidi
 Joubert, Anja
 Kobese, Major Mninawe
 Liebenberg, Heleen
 Loubser, Melanie
 Louw, Johannes Hendrik (*cum laude*)
 Makamure, Kotsai Booker
 Makgalemela Mogohloane, Malebu Sinkie Stephina
 Manuel, Vernon
 Mashaba, Matome Shirley
 Matsetela-Hartmann, Mathoto Ramokone (*cum laude*)
 Maveve, Gerald Masimba
 Mbango, Valeria Ndapunikwa
 Mncube, Nomfundo
 Mokgatle, Lephoi Mosidi
 Molefe, Shathani Emmeldah
 Musadaidzwa, Jasper (*cum laude*)
 Nel, Jacques Mare (*cum laude*)
 Pagano-Leclezio, Marni (*cum laude*)
 Phungo, Ratshilumela
 Pillay, Shawn Navasen
 Pratt, Glenn Alwyn (*cum laude*)
 Pretorius, Francois Pierre (*cum laude*)
 Ragophala, Mogodi Isaac
 Rose, Sharon Lucie (*cum laude*)
 Rossouw, Petrus Johannes
 Schoeman, Renata (*cum laude*)
 Schubert, Alexander Constantin
 Shikwambana, Nkateko Church
 Thwala, Daniel
 Titus, Shameemah
 Tzellios, Martha (*cum laude*)
 Visser, Rudi (*cum laude*)
 Wait, Charles Victor Requier
 Wilkinson, Sarah-Jane
 Zwane, Neo
 Zwane-Siguqa, Beauty Makhosazana

Nagraadse Diploma in Ontwikkelingsfinansies **Postgraduate Diploma in Development Finance**

Bungane, Nqobile Phumelele Victoria
 Gwama, Nosisa Ethel
 Horsthemke, Dietlind Irmela
 Jikwana, Andiswa
 Kuveza, Fabiola Rolleta
 Let'Sabisa, T'seliso
 Mahlare, Patience
 Makumane, Mosebetsi
 Mkhabela, Dumisani Jerry
 Mofolo, Dieketseng
 Mwasha, Anna-Theresa
 Ngcobo, Sbusiso
 Seitsang, Israel
 Tseuoa, Lineo Esther
 Tshivhase, Khangwelo King

Baccalaureus in die Handelswetenskappe **Bachelor of Commerce**

Adams, Jesse Demi
 Adams, Stephanie

Akal, Leah
 Alberts, Nicolaas Francois
 Aleksic, Filip
 Allan, Connor James
 Allie, Thaakir-Ahmad
 Amos, Dylan Luke
 Anderson, Michael-John
 Angove, Sabine
 Arendse, Kirstin Jane
 Asbury-Oakley, Christopher John
 Asin, Amelie Sibongile
 Attwood, Megan Louise
 Babeli, Bongani Edmund Babeli
 Bagley, Tristan Aiden
 Baloka, Kayla Lee
 Baloyi, Mokaba Constantia
 Barlow, Jordyn Natalie
 Barnard, Paulus Retief
 Basson, Adriaan Smit
 Benson, Siobhan Michelle
 Berry, Adrian Roland
 Bettings, Jean Mari
 Biesheuvel, Kenya Meade
 Bing, Chloe Hannah
 Blignaut, Carmen
 Borchers, John-Michael Van Soelen
 Botes, Candis Shante
 Boyce, Michael John
 Braaf, Nicholas Carl
 Brand, Hendrik Johannes Petrus
 Brough, Kirsten Michaela Nicole
 Brown, Stephen James
 Bruwer, Inke
 Bruwer, Robynne
 Buchanan, Callahan Abigail
 Buys, Ruan
 Cain, Chante Jasmaine
 Campbell, Kayla Shannon
 Campher, Jesse
 Carinus, Elrencia
 Carstens, Anke
 Carstens, Pally Etienne
 Cassiem, Shanice Chantay Devon
 Cater, Tian
 Chipengo, Admire
 Chivers, Matthew Reece
 Christian, Krispy Calvin
 Chuntarpursat, Rupika
 Cilliers, Andrea
 Cilliers, Francois
 Clack, Steven Anthony
 Clancy, Kieran Mark
 Clarke, Benjamin Charles Bernard
 Clift, Michael Andrew
 Coertzen, Johan Rudolph
 Coetzee, Christian Jasper
 Coetzee, Dominique
 Cook, Nyle Liam
 Coombe, Jonathan David
 Cormon, Paul
 Cresswell, Leah Emily
 Crookes, Samuel Frederic
 Daniels, Micaela Carynn

Davids, Michaela Abigail
 De Allende, Sivan Joanne
 De Clippel, Laurence Annouchka Vincent Michele
 De Kock, Talischa
 De Marco, Michael Piero
 De Villiers, Christopher John
 De Villiers, Reze Desir  
 De Wet, Michaela Jade
 Dercksen, Daniel Jacobus Rufus
 Dickenson, Tyla
 Dickson, Alexandra Mead
 Diedrehsen, Caralie (*cum laude*)
 Dlulane, Landela
 Downing, Samantha
 Du Toit, Lisa
 Du Toit, Matthew Cameron
 Du Toit, Robert
 Eaglestone, Julia
 Ebrahim, Raeesa
 Edwards, Dylan Ross
 Ehlers, Warren Eben
 Els, Gunther
 Els, Zuretha
 Everitt, Dillon Stephen
 Eygelaar, Lene
 Farquhar, Christopher Nelson
 February, Benvor Bruce
 Finnis, Lauren Simone
 Firmani, Janika
 Fourie, Ruan Davel
 Fredericks, Marilyn Francisca
 Fromet De Rosnay, Jean-Luc
 Froneman, Daniel
 Fyvie, Bradley
 Gareta, Nyasha Shanon
 Gerber, Nika
 Gerber, Robyn
 Geswind, Alisha
 Gonsalves, Tiago Darcy Joao
 Grobbelaar, Katya
 Grobbelaar, Lara
 Groenewald, Grant Conrad
 Groenewald, Wiaan
 Halgryn, Rita Helena
 Harker, Terri Katelin
 Hart, Joshua David
 Haskins, Leonard John
 Hasleham, Abby Rose
 Hassan, Mohamed Ziyaad
 Hassan, Yasmeen
 Hatch, Stuart Peter
 Hechter, Johann Robert
 Hefer, Michael Anthony
 Hefer, Pasquale
 Henderson, Sarah Elizabeth
 Hendricks, Ammaarah
 Hendricks, Meeka-El
 Henning, Liezel
 Herring, Dayna Elizabeth
 Hill, Kerri-Ann
 Hindle, Evan Marc
 Hlabangana, Gugulethu Charmaine

Holdcroft, Andrea
 Holdcroft, Claudia
 Howell, Carmen
 Huskisson, Simone
 Janos, Nicolaos Peter Knight
 Jobela, Luthando
 Johnson, Ryan
 Jones-Phillipson, Kelsey
 Jonsson, Luke Nicholas
 Jordaan, Len
 Josephs, Abdurazak
 Joubert, Alexandra
 Joubert, Justine
 Julie, Brittany Beatrice
 Kachikoti, Anesu Isabel
 Karsten, Hendrik Albertus
 Karsten, Michelle (*cum laude*)
 Kearney, Annemika Anchen
 Kerkman, Roy Edward
 Khumalo, Mlungisi Themba
 Kiln, Matthew David
 King, Allison Sarah
 Kleynhans, Eileen Maguire
 Knott, Jacqueline Kim
 Koen, Danian
 Kotze, Carla
 Kotz  , Kelsey
 Kretzschmar, William
 Labuschagne, Jana
 Latakomo, Tshepiso Coleen
 Laubscher, JP
 Lawrence, Alfred Robert
 Le Roux, Astin Kathleen
 Le Roux, Mieke
 Levin, Shannon Lee
 Lewis, Monique
 Liebenberg-Fouch  , Jana
 Lillywhite, Gareth Rudy
 Lima, Jacinda Ndeshipewa
 Lissoni, Angelo Roberto
 Lotter, Jonathan Henry
 Louwrens, Lee-Ann
 Louwrens, Matthys Johannes
 Ludik, Hendrik Gideon Scholtz
 Mack, Nicolas Anton
 Macminn, Coco-Chanel Alyssa
 Madzivhandila, Ntanganedzeni Justice
 Magada, Muofhe
 Malapane, Kgothatso Maleshelane Rosah
 Maletzky, Heather Priscilla
 Malherbe, Stephanus Jacobus
 Manefeldt, Peter Cornelius
 Marais, Amy
 Marais, Barend
 Martin, Kirsten Robyn
 Marwa, Emma Tariro
 Masakwa, Theresa
 Mashaba, Ruthy Ntlakuso
 Mathikhi, Rendani
 Mathura, Kiara
 Matong, Naledi
 Mc Gregor, Gemma Anne

McCarthy, Conor Buckley
 Mchunu, Thandeka Carrol
 McShane, Aimee Jane
 Meerburg, Daniel Michael
 Meyer, Reece
 Michau, Micaela
 Michels, Robyn Ashleigh
 Millard, Liam Shaxson
 Mkhungo, Lungelo Sphamandla
 Mnguni, Daliwonga
 Mohale, Rethabile
 Mokoaleli, Lineo Diana
 Moller, Johann Juan
 Moorcroft, Bradley John (*cum laude*)
 Morkel-Brink, Philip Edward
 Morris, Laurian Justine
 Mosegane, Tumi
 Moses, Keith Cameron
 Mostert, Lara
 Mukina, Kabemba
 Muller, Johan Georg
 Muller, Phillip Carel
 Naicker, Keenan Nathaniel
 Naidu, Kamara
 Narotam, Deevya
 Ncube, Simangaliso Kudakwashe Jane
 Neethling, Jan-Daniel Moller
 Neizel, Danielle Ann
 Nelson, Charles Jian
 Newman, Austin Roan
 Ng-Yu-Tin, Georgia-Mai
 Ngobeni, Lovers Matimu
 Nyongo, Nonela Shanilla
 Nyoni, Nomzamo Ruvarashe Yolanda
 Olivier, Ryan
 Oosthuizen, Mercia
 Oosthuyse, Dylan Steven
 Page, Timothy Robert
 Parvess, Brendon
 Pasha, Jody Lee
 Pauw, Meyer
 Pentz, Nicola
 Peter, Yonela Zamantande
 Petersen, Jamie-Lee
 Pickard, Danielle
 Planting, Luke
 Podesta, Jaxin Newdigate
 Posthumus, Zetské
 Pretorius, Philip Geyer
 Prinsloo, Armin
 Prinsloo, Frans Johan
 Prinsloo, Mieke
 Prout, Jessica Anne
 Puchert, Dylan
 Pule, Zolisa Ayanda
 Putter, Laura Frances (*cum laude*)
 Quayle, Sean Mitchell
 Quinn, Matheu Alexander
 Raats, Daneel Jasper
 Rafferty, Kristen Dee
 Rafferty, Savannah
 Ragoleka, Boitumelo Vuyo
 Rajcoomar, Chiara Tamika
 Ramataboe, Kefiloe Sylvester
 Rameetse, Tsholofelo Mokwape Maureen
 Robey, Reece Brent
 Robinson, Mia
 Roestorff, Sasha-Lee
 Rossouw, Gerard Jacques
 Roux, Willem Frederick
 Rowles, James Henry
 Sam, Caryn
 Santana, Vieira Louis
 Sassin, Tara-Leigh
 Scheepers, Maxine Jenine
 Scheller, Stephanie Cindy Christiane
 September, Chanté Alicia
 Serfontein, Johan Lodewyk
 Shabalala, Nelisa
 Shadwell, Richard John
 Shellard, Robert Andrew
 Shongwe, Philasande
 Sidersky, Paul Zhou
 Siebrits, Johann
 Sinclair, Caylee
 Slinger, Ché-D Se-Ri
 Small, Daniel William
 Smallberg, Antonia Elizabeth
 Smit, Ryno Carl
 Smith, Chelsea Lee
 Smith, Matthew Andrew
 Smuts, Dirk Andries
 Snyman, Jacqueline Thembekile
 Sondag, Mohammed Abbas
 Southey, Jessica Lyn
 Soyeza, Ondela
 Steenberg, Jana
 Steenkamp, Cenite
 Steenkamp, Hein Petrus
 Steinmann, Stephan
 Stephens, Calvin John
 Stephens, Laurie Jess
 Stevens, Oliver Maxwell
 Stopforth, Liam Eduard
 Stoyanov, Lora Stoyanova
 Stwebile, Boniswa Elsie
 Swail, Abdul-Qadeer
 Swanepoel, Carla
 Swanepoel, Frederik
 Swarts, Nicholas Edwin
 Tabata, Sandisiwe Balule Silindokuhle
 Takalani, Mukovhe Glen
 Tam, Joshua Keinan
 Taylor, Robert Maxwell Ian
 Tehini, Dylan Anthony
 Terblanche, Stefanus Stander
 Theron, Anike
 Theron, Danielle Marguerite
 Theron, Ruvan
 Thiry, Romain
 Thomas, Keachell Ashlyn
 Thompson, Sarah
 Thomson, Savannah Cassidy
 Tjombonde, Unotjari Vinomuini

Tlhale, Gomolemo Tshepang
 Tomlinson, Luke Maxwell
 Tshikuna, Lysette
 Tyumre, Olwetu Samantha
 Uys, Jacobus Septimus
 Van Blommestein, Nadia
 Van den Berg, Etienne Daniel
 Van der Merwe, Daniel Philip
 Van der Merwe, Jacob Claris
 Van der Spuy, Lizé-Mari
 Van der Walt, Frances Petro
 Van Heerden, Elizabeth Sonika
 Van Huyssteen, Lea
 Van Niekerk, Chene (*cum laude*)
 Van Rensburg, Anandt Philip
 Van Rooyen, Kayla Alida
 Van Ryneveld, Danté
 Van Tonder, Elze
 Van Tonder, Jana
 Van Wyk, Martinique Gretchen
 Van Zyl, Gideon Johannes Jakobus
 Venter, Juan Anton
 Venter, Kira Elisabeth
 Venter, Lodewikus Johannes
 Venter, Tiaan
 Viljoen, Jaco
 Viljoen, Luke
 Viljoen, Marco Dan
 Viljoen, Tara
 Visser, Cara
 Voges, Darette
 Voges, Telisha Jamie
 Von Staden, Llewana Dietrich
 Wagenaar, Lindie
 Walker, Cyril Ernley Ernie
 Warrington, Genna
 Wertheim Aymes, Olivia
 Wessels, Anja
 Williams, Jaco Rayno
 Williams, Wesley James
 Witbooi, Helia Caylin
 Wogqoyi, Onke Aubrey
 Wolmarans, Hanroux
 Zietsman, Nane

Baccalaureus in die Handelwetenskappe in Internasionale Besigheid
Bachelor of Commerce in International Business

Kieser, Josef Maximilian
 Stander, Colette (*cum laude*)

Baccalaureus in Rekeningkunde
Bachelor of Accounting

Abraham, Ryan Joshua
 Abrahams, Danièle Chandré
 Adimulam, Theron
 Albertse, Brendan
 Anderson, Mark Geoffrey
 Andreasen, Kade Mark
 Arendse, Carmen Agnes
 Arendse, Tristan

Ash, Matthew
 Baard, Keagan Michael
 Barnard, Andrea
 Barnard, Ania
 Barnaschone, Eugéné
 Barnes, Ashton Andre
 Becker, Marilee
 Bekker, Francois
 Beneke, Matthew David
 Beukes, Marali
 Blignault, Matthew Aston
 Boessenkool, Daniella
 Boltman, Tracey Lee
 Bosman, Alexandra Ruth
 Botha, Carmel
 Botha, Greyling
 Botha, Helena
 Botha, Jason Storm
 Botha, Nicolaas Jacobus
 Brett, Thomas Tickner
 Butler, Thomas
 Buziek, Corbyn
 Calitz, Simonne-Faith
 Cantatore, Sabrina
 Capes, Henko
 Carr, Krishna-Kirtan
 Cecil, Adelle
 Chamane, Ntandoyenkosi Marcia
 Chandler, Melissa Erica
 Chesterton, Meg
 Chibi, Rutendo
 Chikono, Samantha
 Chubb, Cameron Ashton
 Clarkson, Terence Anthony
 Clayton, Matthew
 Cloete, Keenan Jean
 Cloete, Mynhardus Jacobus Marais
 Coetzé, André Charles
 Coetzee, Ben James
 Coetzee, Corné
 Coetzee, Robyn Ashleigh
 Constant, Sharfaa
 Cornelissen, Herschelle Dylan
 Cox, Megan
 Cremen, Dene Patrick
 Davies, Nicholas
 Dawson, Matthew Tristan
 De Jager, Johannes Jacobus
 De Jongh, Abdurazak
 De Kock, Frederick Johannes
 De la Bat, Ernst Hendrik
 De Lapelin Dumont, Natalie Claire
 De Loor, Misha
 De Villiers, Samantha Tarryn
 Deats, Jake Ethan
 Desai, Shailen Ravi
 Dippenaar, Carla
 Dippenaar, Linzé
 Dollie, Mogamat Nathier
 Dommissie, Emma Eugene
 Domnick, Tatiana Richardine
 Du Plessis, Dréan
 Du Toit, Mia Louise

Dube, Nokukhanya
Ferreira, Janel
Ferreira, Marieta
Ferreira, Yana
Ferri, Dominic Andrea
Ferri, Luca Matteo
Finlay, Emma
Foord, Jeremy Gary
Forder, Ross Jerome
Fraser, Caelan Ian
Gaffoor, Ayooob
Geldenhuys, Daniëlle
Getsemane, Amahle Zandisiwe Kwanele
Gibbens, William Alford
Gillett, Justin Robert
Glover, Donovan Brian
Goliath, Sancha
Gorelkin, Daniel
Govender, Pranav Kaylin
Greeff, Michelle Ann
Green, Kelsey Charnelle
Groenewald, Marco
Haiml, Alexander
Hanauer, Lileya
Harvey, Brett
Hattingh, Jacobus Johannes
Hendricks, Zuleigha
Hill, Luke Richard
Hopane, Marona
Ilgen, Tristan Nikolaus
Isaacs, Magneil
Ives, Nicholas Matthew
Jacobs, Shuaib
Jephson, Olivia Elizabeth
Johnston, Loren Kimberly
Jordaan, Britney Chante
Jordaan, David Gideon
Joubert, Pierre Hugo
Kalil, Matthew William
Kamaloodien, Tasneem
Kannemeyer, Michelle Amy
Kelling, Gunther Arthur
Kenny, James Andrew
Khohlokoane, Palesa Carine
Kleinsmith, Jaime Christeline
Kleu, Gemma
Koekemoer, Carmen
Kok, Charl-Pierre
Kotze, Hanneke
Kotzé, Leon
Kriel, Donne
Kriel, Emile Darius
Krige, Keanu Jaden
Kruger, Christopher Sven
Kruger, Hermanus De Jager
Kruis, Juandre Christiaan
Kustner, Geneva Rae
Kwan, Jason Lew
Lamb, Howard
Latief, Junaid
Le Roux, Francois Wilhelm
Le Roux, Stephan Abraham
Le Sueur, Danielle Elizabeth

Lellyett, Christopher Gregory
Letsie, Nothando
Lombard, Duncan
Losper, Ruzan Ronaldo
Losper, Ziglynn Agatha
Lötter, Anneke
Loubser, Keenan Nicholas
Lourens, Richardt Ario
Louw, Le-Dan Keanu
Magadze, Tyrone-Junior
Magerman, Azeeza
Mahlokozero, Christabelle Tanyaradzwa
Mannel, Jamie Stanley (*cum laude*)
Maphumulo, Lungelo Langelihle Emerson
Marais, Jaco Adrian
Marrison, Rebecca Elizabeth
Maseti, Asive Eddy
Maslamoney, Tara
Mateta, Tshepang Leah
Mathobela, Manare Elaine
Matthee, Cuelan Chad
Mawoneke, Kimberley Rumbidzai
McEwan, Megan Kirsty
McKinnon, Kyle Eric
McLeod, Jenna Claire
Mentoor, Gilmour Jobram
Mentor, Maxine
Meyer, Jean-Pierre Hugo
Miller, Joshua Sydney
Mkhosi, Ezile
Moffitt, Kirsten
Mofokeng, Tumelo
Morgan, Andrea Narelle
Mowzer, Haamidah (*cum laude*)
Mtangayi, Sandiswa Simthandile
Müller, Beâte Hentia
Muller, Kristin-Lee Anne
Muller, Salmon Pienaar
Mushoriwa, Hazel Anesu
Napoli, Lorenzo Gerardo Giuseppe
Nel, Brandon
New, Devan Michael
Nieman, Marc
Nortier, Willem Johannes
Nsingo, Dumisani
Nxumalo, Minenhle Nqobile
Owen, Matthew Stephen
Parker, Jordan Robin
Parsons, James William
Perumal, Euriska (*cum laude*)
Petersen, Thersius Emile
Pieterse, Cornél
Pitt, Denham Bruce
Plaatjies, Jean-Pierre
Plekker, Riley Jane
Poole, Micaela Andrea
Poole, Nicholas John
Potelwa, Nosipho S'jadu
Potgieter, Theo
Pratt, James Russell
Rafferty, Jaddan Nevan
Ramdutt, Suvaal Sujesh
Raolane, Makoto Caitlin

Raubenheimer, Jana (*cum laude*)
 Raubenheimer, Nicholas Ian
 Richards, Gina
 Richter, Sandro Reiner
 Rojas, Samantha Tariro
 Roode, Neil Henry
 Roos, Zander
 Rorke, Annabel Desiree
 Rothman, Jade Dana
 Sapepa, Zolisa Andiswe Kanyisa
 Schoeman, Amelia
 Searle, Robert Andrew (*cum laude*)
 Seconds, Robynn
 September, Tyler
 Shabih, Kinza Hasan
 Shezi, Lizwe Luyanda
 Shivute, Pombili Timoteus Tangeni
 Siddle, Megan Grace
 Silent, Tamlyn Tenishia
 Small, Thorne Philip John
 Small-Smith, Antonie Johan
 Smith, Anja
 Smith, Christiaan
 Smith, Quintin
 Smith, Sasha Nicole
 Spies, Monique
 Spoelstra, Minderd Willem
 Stanton, Caitlin Lee
 Stoltz, Cullen Matthys
 Stone, Chase Hamish
 Teversham, Max
 Thomas, Ethan Dylan
 Thomas, Thea
 Thomson, Jemma Frances
 Tollman, Luke David
 Tredoux, Lindi
 Trivella, Nicholas Andrea (*cum laude*)
 Tyman, Yazeed
 Upton, Izak Petrus Albertus
 Van der Bergh, Max Willem
 Van der Linden, Jason
 Van der Merwe, Xanthe
 Van der Watt, Jenna Courtney
 Van Heerden, Christine
 Van Niekerk, Edmund Carl
 Van Rooyen, Marnus Kennith
 Van Wageningen, Tijan
 Van Wyk, Christof
 Van Wyk, Marilene
 Venter, Caela
 Vilakazi, Sphehile David
 Viljoen, Izelle
 Visser, Monet
 Viviers, Kirsten HJ
 Von Wielligh, Bert
 Wagenaar, Caitlin Amber
 Wahl, Marnus
 Walters, Johannes Roux
 Wessels, Jana
 Wijtenburg, Brandon Mark
 Willemse, Chaz Jesse
 Williams, Samantha Angela
 Williams, Stefan

Williamson, Jordan Lee (*cum laude*)
 Younger, Matthew John
 Zimba, Azile Ncedile Vuyolwethu

Baccalaureus in Rekeningkunde en Baccalaureus in die Regsgeleerdheid Bachelor of Accounting and Bachelor of Laws

Aab, Martine Summer
 Bach, Garrick Nathan
 Baudewig, Matthew Thomas
 Berry, Jan Paul
 Claassen, Marco
 De Kock, Neil Eduard
 Du Toit, Arnold Rian
 Erasmus, Johannes Mathys
 Gouws, Janke
 Heydenrych, Annalise
 Hughes, Brandon Michael
 Hugo, Carly Else
 Lotter, Amischka Mardi
 Manthata, Selek Masila
 Moolman, Frances
 Purdon, Ashleigh
 Raubenheimer, Simoné
 Scott, Jessica-Ann
 Segal, Erwin Johann
 Steenkamp, Clemens Frederik
 Ungerer, Stefan George
 Van der Linde, Grant
 Wolmarans, Milla Quелlette

Diploma in Volhoubare Ontwikkeling Diploma in Sustainable Development

Gumedde, Keneilwe
 Hopper, Hannah Pamela Veronica
 Makele, Hloniphile Florah
 Mapitsing, Dorcas Mashego
 Mohalanyane, Refiloe
 Nkatingi, Khensani Sagwadi Paullah
 Serra, Anesha
 Van Niekerk, Courtney-Leigh Tamia
 Vika, Lutho Luthini

Diploma in Openbare Verantwoordbaarheid Diploma in Public Accountability

Bongoza, Abedniko
 Lotriet, Elana Leonore
 Minnaar, Candice Nicole
 Motsepe, Abigail Mpho
 Mshuqwana, Nomasomi
 Mtumtum, Zwelethu
 Prins, Terence

Gevorderde Diploma in Openbare Verantwoordbaarheid Advanced Diploma in Public Accountability

Cweni, Sibonile
 Mbhele, Michelle Caroline
 Smith, Alvina

Virtuele Toekennings

Fakulteit Geneeskunde en
Gesondheidswetenschappen

30 Maart – 13:00

Virtual Awards

Faculty of Medicine
and Health Sciences

30 March – 13:00



Fakulteit Geneeskunde en Gesondheidswetenskappe

Faculty of Medicine and Health Sciences

Magister in die Natuurwetenskappe Master of Science

Bedada, Diribsa Tsegaye (Biostatistics)
Botha, Danelle (Medical Physiology) (*cum laude*)
De Waal, Candice Raquel (Molecular Biology) (*cum laude*)
Goldswain, Samantha Jane (Molecular Biology)
Kimmie-Dhansay, Faheema (Biostatistics)
Kohlmeyer, Nicole (Medical Physiology)
Maartens, Michelle (Medical Physiology) (*cum laude*)
Mabuda, Thendo Innocent (Medical Physiology)
Mackintosh, Lizanne (Human Genetics) (*cum laude*)
Mboko, Michael (Clinical Epidemiology) (*cum laude*)
Mosime, Lesedi Bridget (Medical Microbiology) (*cum laude*)
Mwandingi, Shaalula Leonard (Biostatistics)
Ncube, Pamela (Molecular Biology) (*cum laude*)
Ouma, Moses Lwanda (Biostatistics)
Rop, Mercy Chepkemboi (Biostatistics)
Savieri, Perseverence (Biostatistics)
Sithelo, Pamela (Medical Physiology)
Stein, Lisa (Medical Microbiology) (*cum laude*)
Stoker, Suzaan (Clinical Epidemiology) (*cum laude*)
Van der Merwe, Charnay Janine (Molecular Biology)
Van Zyl, Carli (Medical Virology)

Magister in die Natuurwetenskappe in Sportwetenskap Master of Science in Sport Science

Swart, Matthew (*cum laude*)
Van Jaarsveld, Amori

Magister in die Geneeskunde Master of Medicine

Boesack, Bronwyn Monique (Surgery)
Creamer, Dale Kurt (Radiological Diagnosis)
Du Plessis, Danelo Estienne (Urology) (*cum laude*)
Finestone, Jack (Neurosurgery)
Irusen, Semira (Hematological Pathology)
Kandetu, Tjijandjeua (Paediatrics)
Manda, Yambanso (Anatomical Pathology)
Sankar, Keenan Alvin (Anaesthesiology)
Steenkamp, Willie (Anaesthesiology)
Swart, Minette Johanna (Dermatology)
Van Rooyen, Marthinus Bernardus (Radiological Diagnosis)
Victor, Johannes Ignatius (Neurosurgery)

Magister in Voeding in Publieke Gesondheid Master of Public Health Nutrition

Tsabedze-Zwane, Nozizwe Glory (Public Health Nutrition)

Magister in Menslikerehabilitasiestudies Master of Human Rehabilitation Studies

Snyman, Courtney Marshall (Rehabilitation) (*cum laude*)

Magister in die Wysbegeerte in Aansteklike Siektes Master of Philosophy in Infectious Diseases

Ngakane, Lerato Daphne
Rohith, Shamiska

Magister in die Wysbegeerte Master of Philosophy

Akinola, Olatubosun Akinola (Health Systems and Services Research)
Brits, Elizabeth (Health Professions Education) (*cum laude*)
Dakurah, Ottovon Bismark (Cancer Science)
Dogbey, Dennis Makafui (Cancer Science)
Ibrahim, Mubashir Adekunle (Cancer Science) (*cum laude*)
Ndlovu, Sandile (Cancer Science)
Ndou, Lutricia Rofhiwa (Cancer Science)
Sedeman, Megan Madeleine (Cancer Science)
Suleman, Rizwaana (Cancer Science)

Magister in Arbeidsterapie Master of Occupational Therapy

Sunday, Haseena
Visser, Elreen

Magister in die Verpleegkunde Master of Nursing

Doughty, Valerie Dolores
Nangolo, Ruusa Megameno
Simmons, Annalene
Snyman, Emerentia Cynthia (*cum laude*)
Tsita, Sebueng Mary
Van Heerden, Wilma Jean

Magister in Voeding Master of Nutrition

Pretorius, Jane Lucienne (Nutritional Sciences)
Smuts, Johanna Maria (Nutritional Sciences)

Magister in Terapeutiese Voeding Master of Therapeutic Nutrition

Mookadam, Iman (Therapeutic Nutrition)

Magister in Fisioterapie Master of Physiotherapy

Chhiba, Shanita
Fell, Brittany Leigh
Pool, Helena Albertha

Magister in Spraak-Taalterapie Master in Speech-Language Therapy

De Bruin, Marisa
Ferraris, Daniela Mary

Honneurs-Baccalaureus in die Natuurwetenskappe Bachelor of Science Honours

Coetzee, Johanna Adriana (Pharmacology) (*cum laude*)
Henning, Natasha (Pharmacology) (*cum laude*)
Louw, Vanessa (Pharmacology) (*cum laude*)
Mc Culloch, Megan Joy (Pharmacology) (*cum laude*)
Mpazi, Nothukela (Medical Virology)

Honneurs-Baccalaureus in die Natuurwetenskappe in Sportwetenskap

Bachelor of Science Honours in Sport Science

Sinclair, Kirsten Lisa (Performance Sport)
Ward, Charnique (Kinder Kinetics)

Honneurs-Baccalaureus in die Natuurwetenskappe in Biokinetika

Bachelor of Science Honours in Biokinetics

Palm, Alexandra Amber (Biokinetics)

Nagraadse Diploma in Verslawingsorg

Postgraduate Diploma in Addiction Care

Esau, Micealah Shanrose
Gelderbloem, Graylene Hilary
George, Jolene Jeromia
Holmes, Samantha
Jaftha, Erin Daniel
Meyer, Schadene Daneshia

Nagraadse Diploma in Verpleegkunde

Postgraduate Diploma in Nursing

Aleem, Claudia Janine (Primary Health Care)
Allies, Yvonne (Primary Health Care)
Bangiso, Chanel (Primary Health Care)
Bekabantu, Andisiwe (Primary Health Care)
Betele, Ntombozuko (Primary Health Care)
Claassen, Gaynor Carmen (Primary Health Care)
Conradie-Albanie, Joan Florence (Primary Health Care) (*cum laude*)
Cupido, Sidney Bennie (Primary Health Care)
Davis, Chantel (Primary Health Care) (*cum laude*)
Daweti, Zukiswa (Primary Health Care)
De Villiers, Porchia Luzelle (Primary Health Care)
Fikizolo, Nolvuyo Penelope (Primary Health Care)
Gcuku, Nompelo (Primary Health Care)
Halford, Jo-Anne (Primary Health Care)
Herwil, Sharlene (Primary Health Care)
Jacobs, Deborah Elizabeth (Primary Health Care) (*cum laude*)
Kahlane, Ntateng Vivienne (Primary Health Care)
Kakaza, Phunyezwa (Primary Health Care)
Klein, Brumilda Bernadine (Primary Health Care) (*cum laude*)
Lawu, Vuyiseka Vivian (Primary Health Care)
Lubambo, Thando (Primary Health Care)
Mafola, Coceka Khayakazi Yvonne (Primary Health Care)
Maleshane, Boitumelo (Primary Health Care) (*cum laude*)
Markus, Vyoniver Wilna Muriette (Primary Health Care) (*cum laude*)
Masedi, Nomalanga Purity (Primary Health Care)
Mbang, Zenande Ndyebokazi (Primary Health Care)
Mtoto, Mzoxolo Nelson (Primary Health Care)
Mvelisi, Busiswa (Primary Health Care) (*cum laude*)
Ndlazi, Sikelelwa (Primary Health Care) (*cum laude*)
Ngangalaza-Zola, Vathiswa Veronoca (Primary Health Care) (*cum laude*)
Njadu, Luvo (Primary Health Care)
Nothobela, Ncumisa (Primary Health Care)
Olivier, Dilshaad (Primary Health Care)
Pietersen, Faren (Primary Health Care) (*cum laude*)
Qampi, Buyelwa (Primary Health Care)
Roman, Bronjé (Primary Health Care) (*cum laude*)

Ruiters, Judy Jane (Primary Health Care)
Saaiman, Elizabeth Jacoba (Primary Health Care)
Saaiman, Leslie-Ann (Primary Health Care)
Saunders, Lorraine (Primary Health Care)
Sinqu, Nwabisa (Primary Health Care)
Smith, Ronelda Augustine (Primary Health Care)
Solani, Ncebakazi (Primary Health Care)
Somgxata, Zingisa (Primary Health Care)
Sotshononda, Phumza (Primary Health Care)
Van der Westhuizen, Susanna Barendina (Primary Health Care) (*cum laude*)
Windvogel, Maria (Primary Health Care)
Xhala, Sinazo Aphiwe (Primary Health Care)
Yekani, Lusanda (Primary Health Care)

Nagraadse Diploma in Volwassene-kritiekesorg-verpleegkunde

Postgraduate Diploma in Adult Critical Care Nursing

Fadane, Cebisa
George, Geethu
Harbour, Louise
Joubert, Magdalena Elizabeth
Lawana, Phumza
Milne, Maria
Mncwabe, Hlonphile Se
Mpanza, Zandile Doreen
Msongelwa, Vuyokazi
Muchemma, Tokoza
Njimbiny, Thandekile
Rafoma, Khomotso Doldrum
Shangase, Zime Evidence
Van Wyk, Jeannetta Sussanna Helena
Weideman, Mariana
Wilmot, Pauline Edith

Nagraadse Diploma in Gevorderde Verloskunde en Neonatale Verpleegkunde

Postgraduate Diploma in Advanced Midwifery and Neonatal Nursing

Adams, Bonita Rayline
Apolisi, Nqabakazi
Barends, Roxanne Sondra
Cieverts, Misha (*cum laude*)
Cungcu, Andisiwe
Dikeledi, Loveleicious Keorapetse (*cum laude*)
Dlamini, Sindiswa Ruth
Esterhuysen, Bernadine (*cum laude*)
Francis, Elgean Claire (*cum laude*)
Hendricks, Chandre Charnel
Jackson, Manashre
Jonas, Zoleka Florence
Kordom, Angela Colette
Mapheto, Moipone
Marks, Anquelic
May, Sarah-Jane (*cum laude*)
Mdekazi, Pumza
Moatshe, Flora Mosima
Momoza, Cordelia
Ngoloza, Siphokazi
Ngubelanga, Nobonekho Agnes (*cum laude*)

Phakamisa, Yolanda
 Salie, Aysha Fouzia (*cum laude*)
 Sibuyi, Dumazile Rose
 Simayi, Ntombokhanyo
 Sinyuko, Bongwiwe (*cum laude*)
 Smith, Marilyn
 Somdzela, Simphiwe
 Tsalupondo, Notemba
 Wiso, Nosipiwo (*cum laude*)

Nagraadse Diploma in Operasiesaal-verpleegkunde Postgraduate Diploma in Operating Theatre Nursing

Arend, Ayesha
 Dumisa, Simphiwe Theodora
 Kheli, Sinegugu Favourite
 Smit, Bianca

Nagraadse Diploma in Gevorderde Psigiatryese Verpleegkunde Postgraduate Diploma in Advanced Psychiatric Nursing

Baloyi, Masirheni Jeanette
 Dithate, Molaodi Branch
 Khumalo, Busisiwe
 Maletisa, Mmaphefo Vivian
 Matlala, Esther Nkgoba
 Mayo, Lindiwe Lynette
 Mgubo, Mzoxolo
 Mjuluki, Ncedolwethu
 Mokgoro, Tsholofelo Esmoralda
 Msitshana, Zwelekhaya Bennetto
 Nkutsho, Sinxolo
 Ntseare, Relebogile Thea Dinah
 Seku, Anelisiwe

Nagraadse Diploma in Verpleegonderwys Postgraduate Diploma in Nursing Education

Abrahams, Liesel Joy
 Amalenge, Helena Herodicia Kevi Amupanda
 Barker, Robert Henry (*cum laude*)
 Bidii, Dempito Boniface
 Blankenberg, Vivienne
 Boesak, Elize
 Carstens, Kristen Vanessa
 Dawson, Valerie Felicity
 Debesha, Stanley
 Delo, Claudine Helen
 Dietrich, Aysha
 Dolley, Amy
 Erasmus, Lucrecia Desteney
 Gomes-Mackor, Veronica
 Hansen, Warriodene
 January, Portia Lindsay
 Juries, Christelle Mary Ann
 Kalumbu, Lusie Metumo
 Lewin, Enchella Lynette Engela
 Makasi, Asanda Pollen
 Malatji, Shale Audrey
 Malibijji, Mphikeleli
 Mchunu, Mhlengeni
 Mpako, Timothy Lwazi

Nel, Nadia Roslin
 Nozewu, Sibulele
 Olckers, Abigail Cecilia
 Prins, Faith
 Ranape, Patrick
 Seloka, Kelebogile
 Skepu, Thanduxolo
 Somaes, Chrisophine Ndapewa
 Stolk, Elana (*cum laude*)
 Swartbooi, Emelda Jaqueline
 Tenge, Melikhaya Arthur
 Thoka, Grace
 Tshude, Mhlangabezi
 Visagie, Adam
 Williams, Angeline
 Williams, Taylor Toni
 Zamela, Nangamso
 Zungu, Promise Nothando

Nagraadse Diploma in Verplegings- en Gesondheidsdiensbestuur Postgraduate Diploma in Nursing and Health Service Management

Arendse, Stephanie Ashley
 Arries, Ivanette Veriska
 Bruiners, Shante Cynthia
 Ceza, Lungelwa Joyce
 Cornelius, Chantel Jacqueline (*cum laude*)
 Dibakwane, Sally Tshagofatso
 Dinga, Nomampondomise Precious
 Gcasamba, Amanda
 Goliath, Megan Melissa
 Gugile, Lindelwa
 Hanana, Khanyiswa Cynthia
 Hartze, Carmen Meagan
 Hlophe, Siphesihle Delani
 Jonga, Tabisa
 Julius, Matilda Janetta
 Kabasso-Mwila, Priscilla
 Kula, Nontobeko Veronica
 Mabusela, Nosipho
 Macnamara, Maxine
 Madosi, Ziyanda
 Magwa, Noxolo Monica
 Makola, Rangwato Jaqueline
 Mawu, Nolukhanyo Unathi
 Michaels, Elizabeth Maria
 Mpendukana, Ntombikayise Dinah
 Mpu, Nondumiso Mavis
 Mtsweni, Millicent Gugu
 Nelana, Sonwabiso Antony
 Ngcobo, Ntombikile Doreen
 Ntsabo, Aluta
 Parsley, Claudette
 Schoeman, Danaé Janine Annelise
 Segone, Lettie Mmabaeti
 Simelane, Lindokuhle Happiness
 Siwa, Nolwandle Letticia
 Soeker, Abdulla
 Strydom, Uppertoppa (*cum laude*)
 Tarentaal, Rayno Marshall
 Williams, Mishka

Nagraadse Diploma in Gestremdheid- en Rehabilitasiestudies Postgraduate Diploma in Disability and Rehabilitation Studies

Dominsiano, Lotto Charles Paul
Kometsi, Malikomo Saraphina (*cum laude*)
Kunz, Amanda (*cum laude*)
Mapumulo, Cedric
Mawonga, Zamuxolo
Philander, Tamlyn Kay (*cum laude*)
Wilson, Chandre Mikayla (*cum laude*)

Baccalaureus in Arbeidsterapie Bachelor of Occupational Therapy

De Kock, Monica Maria
Melvill, Leesha

Baccalaureus in Spraak-Taal- en Gehoortherapie Bachelor of Speech-Language and Hearing Therapy

Mvusi, Nonjabulo Nwabisa

Nagraadse Diploma in Gesondheidsorgbestuur Postgraduate Diploma in Health Care Management

Abrahams, Terri-Ann (*cum laude*)
Amukugo, Mewawa Dorothy (*cum laude*)
Begg, Waleed (*cum laude*)
Eygelaar, Johanna Elizabeth (*cum laude*)
Fillis, Laurentia (*cum laude*)
Haasbroek, Aletta Gesina Margaretha
Jaftha, Sorina (*cum laude*)
Jansen, Adele (*cum laude*)
Lintnaar, Christiaan Gerhard (*cum laude*)
Peton, Neshaan (*cum laude*)

Baccalaureus in die Geneeskunde en Baccalaureus in die Snykunde Bachelor of Medicine and Bachelor of Surgery

Baloyi, Vukosi
Benjamin, Rushdah
Bhengu, Joy Gugu
Boonzaier, Emma
Davids, Moeghammad
Gambushe, Desiree Sibusisiwe Nongcebo Gugulethu
Harnekar, At'har Mohammed Hasan
Husselmann, Earl-Rae David
Kani, Yandisa
Kharwa, Lutfiyah
Khubedu, Shirley Rhulani Neo
Kistnasamy, Kaashiefah
Ledwaba, Ngoato Tshepo
Mars, Emilio
Matroos, Jaqueline Ronél
Moloko, Mankgatho
Mookadam, Yusra
Mopp, Caylyn Maria
Muchenje, Yemurai Patience
Murdock, Lee Franz
Prince, Andrea Joy
Rembuluwani, Mashudu Bongiwe
Sipunzi, Nobuntu
Smith, Veronique
Sompani, Siviwe Nandipa Lindokuhle
Stellenboom, Zakiyya
Steyn, Monique
Yoon, Taemin

Virtuele Toekennings

Faculty of Education

31 Maart – 09:00

Virtual Awards

Faculty of Education

31 March – 09:00



Fakulteit Opvoedkunde | Faculty of Education

Magister in die Wysbegeerte Master of Philosophy

De Wit, Werner Adolph (Higher Education) (*cum laude*)
Maree, Lizán (Higher Education) (*cum laude*)
Nel, Eva Susan (Higher Education) (*cum laude*)
Van der Merwe, Mareli Winter (Higher Education) (*cum laude*)

Magister in die Opvoedkunde in Opvoedkundige Sielkunde Master of Education in Educational Psychology

Keet, Albertus Daniël
Naidoo, Roegshana

Magister in die Opvoedkunde Master of Education

Adonis, Delyth Zita (Education Policy Studies)
Andjamba, Maiya Namutenya Liina (Curriculum Studies)
Bowers, Beryl Elizabeth (Curriculum Studies) (*cum laude*)
Dirks, Leonora Michelle (Curriculum Studies)
Frenzel, Jeanne-Mari (Curriculum Studies)
Gow, Melanie Anne (Curriculum Studies)
Maree, Christina Elizabeth (Curriculum Studies) (*cum laude*)

Honneurs-Baccalaureus in die Opvoedkunde in Opvoedkundige Ondersteuning Bachelor of Education Honours in Educational Support

Erasmus, Anele
Godfrey, Stephanie Ruzaan (*cum laude*)
Nienaber, Leané
Visser, Rika

Honneurs-Baccalaureus in die Opvoedkunde in Kurrikulumondersoek Bachelor of Education Honours in Curriculum Inquiry

Botha, Christoffel Smith Haylett (Curriculum Inquiry) (*cum laude*)
Cassiem, Mogamat Waafiq (Curriculum Inquiry)
Damaske, Inge Gerda (Foundation Phase Education)
Kgwas, Mpho Clementine (Curriculum Inquiry)
Mohunlal, Karishma (Foundation Phase Education)
Mostert, Gillian Ann-Maree (Curriculum Inquiry)
Mtshali, Philile (Curriculum Inquiry)
Shaanika, Foibe Sonia (Curriculum Inquiry)

Honneurs-Baccalaureus in die Opvoedkunde in Taalonderwys Bachelor of Education Honours in Language Education

Fourie, Tanya
Jelley, Megan Sue (*cum laude*)
Notshokovu, Vusumzi
Van Reenen, Tami-Lee

Nagraadse Onderwysertifikaat in Verdere Onderwys- en Onderrigopleiding Postgraduate Certificate in Education in Further Education and Training Teaching

Bester, Johannes Petrus Christiaan
Combrink, Ilyas

Daniels, Nadine
De Bruyn, Robyn
Jansen, Reavan Dean
Koekemoer, Hendrikus Wouterus (*cum laude*)
Magadla, Zolisa
Mangisa, Sibahle
Matshaya, Phumeza Amanda Matshaya
Mehlomakhulu, Sinethemba Gideon
Ruiters, Marzanne
Steyn, Nina Margaret (*cum laude*)

Baccalaureus in die Opvoedkunde (Algemene Onderwys) Bachelor of Education in General Education

Adams, Daryll John (Intermediary and Senior Phases)
Bhengu, Nokwanda Ladyfair (Intermediary and Senior Phases)
Braaff, Shudey Jode (Intermediary and Senior Phases)
Damon, Elenay (Intermediary and Senior Phases)
De Klerk, Charlene Veronique (Foundation Phase)
Hansen, Sarah Francis (Intermediary and Senior Phases)
Linders, Wade (Intermediary and Senior Phases)
Michaels, Micaela (Intermediary and Senior Phases)
Olivier, Sune Marilyn (Intermediary and Senior Phases)

Gevorderde Diploma in Opvoedkunde in Senior Fase Wiskunde-onderdig Advanced Diploma in Education in Senior Phase Mathematics Teaching

Moeketsi, Malenfyane Cathrine
Sokhutu, Feziwe Maureen

Gevorderde Diploma in Opvoedkunde in Senior Fase Natuurwetenskappe-onderdig Advanced Diploma in Education in Senior Phase Natural Sciences Teaching

France, Nokwayintimbi Mary-Ann
Mgiwu, Lundy
Molefe, Letebele David
Molosiwa, Baikgantsi Merriam
Mtanzeli, Mfundo (*cum laude*)
Titus, Johnado Fransha
Tshilukwa, Khathutshelo Revoice

Gevorderde Diploma in Opvoedkunde in Intermediêre Fase Wiskunde-onderdig Advanced Diploma in Education in Intermediate Phase Mathematics Teaching

Ntyintyane, Bongani Cyprian

Virtuele Toekennings

Fakulteit Teologie

31 Maart – 09:00

Virtual Awards

Faculty of Theology

31 March – 09:00



Fakulteit Teologie | Faculty of Theology

Magister in die Teologie Master of Theology

Apollis, Quinton Basil (Practical Theology) (*cum laude*)
Brown, Joel (New Testament) (*cum laude*)
Enslin, Gerhard Stephanus Maritz (Practical Theology: Clinical Pastoral Care) (*cum laude*)
Fabiao, Timoteo (Practical Theology)
Groenewald, Ulric Anton (Practical Theology)
Hohlo, Phathiswa Dephny (Missiology)
Manuel, Ashwin Sherman (Practical Theology) (*cum laude*)
Mdladlamba, Viwe (Practical Theology: Clinical Pastoral Care)
Mkize, Sandile (Missiology)
Quimpo, Stephen Gabriel (New Testament)
Van Groeningen, David Ross (New Testament)
Vilakazi, Majozi Abednego (Practical Theology: Ministry)

Nagraadse Diploma in Teologie Postgraduate Diploma in Theology

Abrahams, Andre Gregory
Anyimadu, Bernard Boakye
Drude, Erin Courtney
Fihla, Noxolo Wongakazi
Fox, Brendan Charles
Hartzer, Eljoh
Hull, Bianca
Kayster, Lisa
Khoswe, Bongani
Louw, Jani
Malgas, Nicolaas Jacobus
Potgieter, Nanine
September, Tresenia Mary-Ann Heather
Storm, Hendrik Willem
Victor, Petrus Adriaan

Baccalaureus in die Teologie Bachelor of Theology

Dassie, Damian Andrew
Horn, Willem Sterrenberg
Joseph, Philipa Joy
Maphaka, Atang
Resandt, Corne
Siganga, Xhobani
Van Kerwel, Dustin Luke
Van Rooyen, Robyn

Baccalaureus Divinitatis Bachelor of Divinity

Cloete, Anthony David
Dilgee, Shaneeze
Engelbrecht, Harold Christopher
Frieslaar, Michaeline Alichia
Jonaan, Don-Marco Algarth
Koyingana, Monwabisi Gideon
Lee, Nara
Venter, Christene
Venter, Melinda
Wildeman, Michael Richard
Windvogel, Aidan Pierre

Virtuele Toekennings

Fakulteit Regsgeleerdheid

31 Maart – 09:00

Virtual Awards

Faculty of Law

31 March – 09:00



Fakulteit Regsgeleerdheid | Faculty of Law

Magister in die Regsgeleerdheid Master of Laws

Beckerling, Karl
Berman, Shamiela
Böhm, Maximilian
De Freitas, Danielle Natalie
Dlamini, Derrick Njabuliso
Ehlers, Annemien
Els, Kevin
Erasmus, Frederik Senekal
Farmer, Laurian Kate
Gobeni, Viwe
Guggemos, Maria
Henning, Daniel Dean
Horne, Keenan Craig (*cum laude*)
Jimmy, Lauren Theresa
Kimmig, Lisa
Kleyn, Olaf Burger
Kobilski, Jessica Elizabeth
Koen, Eben
Kraemer, Nicolas
Lattimer, Caitlyn Jane (*cum laude*)
Le Roux, Monique (*cum laude*)
Malan, Geor Cillie
Nothling, Benjamin Frederick (*cum laude*)
Salie, Tasneem
Scott, Maria Magdalena
Stahlmann, Lara
Steyn, Janneke
Taljaard, Nicola (*cum laude*)
Teubes, Megan Jessica
Visser, Gysbert Jacobus Francois

Baccalaureus in die Regsgeleerdheid Bachelor of Laws

Andrews, Anthony Martin
Badenhorst, Esmeralda
Basson, Marietjie
Bernstein, Olivia (*cum laude*)
Birch, Caitlin Rebecca
Bolani, Nambitha Pumla
Bosman, Bryce Alexander John
Bouwer, Alexander Peter
Broad, Nicole
Carmichael-Green, David Jason
Chandler, Laura Aster
Crouch, Luke
Davids, Hanél
De Clercq, Leo Tobias
De Jongh, Dylan Dirk
De Klerk, Derick Ras
De Lange, Johan
De Vos, Stephan
Delpont, Mikayla
Díaz, Mpho Nicole
Donnelly, Tessa Jennifer
Du Preez, Elmi
Erasmus, Jana Althea
Ernstzen, Nikita Mishka
Fenn, Thomas Gifford

Frolick, Bradley Timothy
Genis, Leoné
Geyser, Tiffany
Groenewald, Martin Adriaan
Hendrikse, Demi-Lee
Henn, Caitlin
Hill, Matthew
Janutsch, Samuel
Joubert, Josua
Kinneer, Matthew Leonard
Kirsten, Lisa
Kitshoff, Nicole (*cum laude*)
Korsten, Alexander Theart
Kruger, Cara
La Grange, Robert Jacques
Landore, Robynne Estelle
Landsberg, Liam James
Langeveldt, Johannes Cornelius
Leonard, Carmia
Letsoalo, Naledi Edith
Lishman, Deborah
Lottring, Michelle Justine
Mac Kenzie, Megan Kristin
Makin, Jenna Louise
Malan, Remu Regardt
May, Melissa Estelle
Migliore, Raffaella
Mngxekeza, Khanyo
Mohlala, Vanessa Mamodike
Moolman, Willem Petrus Jacobus
Mthombeni, Ntina
Murray, Donna Charlotte
Mutyaba, Alice Getrude
Ndebele, Fanelesibonge Philasande
Neethling, Liebe
Nel, Jean Francois
Nel, Lize
Nel, Nicole Erin
Nieman, Jannu
Oets, Henk
Onibon, Omontola
Otto, Charl Hill
Padachey, Denisha
Papa, Elregan Warren
Peebles, Joshua George (*cum laude*)
Pereira, Daniella Lagoa
Petersen, Kenan Jared
Potgieter, Danielle
Preller, Suna Marita
Pretorius, Olga
Rapoo, Koketso Mahlako
Riddin, Paige
Roux, Cameron Clinton
Rubin, Talitha Joy
Ryne, Enzo Nino
Schoeman, Bernard Du Plessis
Schooling, Luke Douglas
Slater, Tegan Dee
Swanepoel, Anri

Sydenham, Sarah-Emma
Tinkler, Jessica Mary
Titus, Mogammad Tawfeeq
Truter, Anelmari
Van den Heever, Franche Jevonn
Van der Merwe, Alwyn Johannes
Van der Merwe, Anandi
Van der Spuy, Janie Inez
Van Greuning, Alex Roets
Van Horsten, Mickael Roger
Van Niekerk, Jacobus Gideon

Van Schoor, Bea
Van Wyk, John Leonard
Van Wyk, Tedré Juanita
Van Zyl, Anieke
Vezasie, Lisa José
Vlotman, Stephanie Frances
Von Finckenstein, Dominic Günther Graf Finck
Watson, Christy
Wessels, Lara
Wilson, Jenna Leigh
Wolhuter, Ané

Virtuele Toekennings

Fakulteit Krygskunde

31 Maart – 09:00

Virtual Awards

Faculty of Military Science

31 March – 09:00



Fakulteit Krygskunde | Faculty of Military Science

Magister in die Krygskunde Master of Military Science

Allworth, Elizabeth May (Military Science)
Plint, Graeme Wesley (Military Science)

Honneurs-Baccalaureus in die Krygskunde Bachelor of Military Science Honours

Mtshotwana, Tsholofelo Kedibone (Organisation and Resource
Management)
Ntsaluba, Thulisa (Military Management)

Nagraadse Diploma in Verdedigingstudie Postgraduate Diploma in Defence Studies

Akalezi, Uchendu Nicholas
Claassens, Herman Francois
De Villiers, Johannes
Hlahasoane, Maaseriti Christinah
Longo, George
Matshebula, Lydia Dipuo
Motaung, Cypriah Thabo
Motshwene, Shaun Sello

Baccalaureus in die Krygskunde Bachelor of Military Science

Chetty, Phumzile Princess
Collins, Xolile Mayele
Engelbrecht, Sharonitha
Gangashe, Tebello Jerminah
Geldenhuys, Hermina Johanna
Jagdeep, Rajan
Jamba, Mzwandile John
Jordaan, Phillip John
Magwayi, Kgaugelo Vanessa
Motale, Florinah Kgadi
Nkabinde, Fakazi Knowledge
Sibaya, Sipho Sydney
Thabethe, Lindani Artwell
Wessels, Shaun Franklin

Virtuele Toekennings

Fakulteit Ingenieurswese

31 Maart – 13:00

Virtual Awards

Faculty of Engineering

31 March – 13:00



Fakulteit Ingenieurswese | Faculty of Engineering

Magister in die Ingenieurswese Master of Engineering

Adam, Felix Martin (Industrial Engineering)
 Arthur, Wellington (Chemical Engineering)
 Babl, Martin Ludwig Dietrich (Electronic Engineering)
 Barnard, Eddie Gustav (Chemical Engineering) (*cum laude*)
 Barnardt, Georg Frederik (Civil Engineering) (*cum laude*)
 Barrow, Farah Ahmed Farah (Civil Engineering)
 Benecke, Nicholas (Civil Engineering)
 Bertele, Magdalena (Engineering Management) (*cum laude*)
 Bothma, Philip (Mechanical Engineering)
 Bradbury, Sian (Electronic Engineering) (*cum laude*)
 Brits, Gabriël (Civil Engineering)
 Bruwer, Ettienne (Civil Engineering)
 Buckley, Angelo Ian (Mechanical Engineering)
 Buresh, Kevin Michael (Electrical Engineering)
 Chingwena, Maclyn Tatenda (Electrical Engineering) (*cum laude*)
 Cilliers, Aldert Johan (Mechanical Engineering)
 Cloete, Cosmo (Engineering Management) (*cum laude*)
 Coetzee, Johannes Andries (Electronic Engineering)
 Conradie, Naude Thomas (Mechatronic Engineering)
 Cormick, Joshua John (Electronic Engineering)
 De Villiers, Jude Francois (Electronic Engineering)
 Dippenaar, Jandre (Electrical Engineering)
 Du Plessis, Jacques Theodor (Electronic Engineering) (*cum laude*)
 Ebrahim, Riyaaz (Civil Engineering)
 Els, Jean-Pierre (Electrical Engineering) (*cum laude*)
 Engelbrecht, Denis Mccord (Industrial Engineering)
 Geldenhuis, Lester Mark (Industrial Engineering)
 Gelderblom, Andries Johannes (Civil Engineering)
 Giddy, Brett Ian (Mechanical Engineering)
 Grobler, Paul Reghard (Electronic Engineering)
 Ham, Alexander John (Mechanical Engineering)
 Handura, Michelle Rahepa (Electrical Engineering)
 Hanekom, Mari (Mechanical Engineering) (*cum laude*)
 Henning, Bernardo Johannes (Mechanical Engineering)
 Herbst, Heinrich Frederick (Electronic Engineering) (*cum laude*)
 Hlongwane, Sanelisiwe Nongcebo (Industrial Engineering)
 Jansen, Daniel Christopher (Electronic Engineering)
 Kalala, Tshilumba (Mechanical Engineering)
 Khoza, Sibusiso (Industrial Engineering) (*cum laude*)
 Kiessling, Marko Hans (Mechanical Engineering)
 Kotzé, Henry (Electronic Engineering)
 Kotze, Rick Marius (Engineering Management)
 Kretzschmar, Marion (Engineering Management)
 Liebenberg, Andreas Denan (Mechatronic Engineering) (*cum laude*)
 Loots, Martinus Hendrik (Industrial Engineering) (*cum laude*)
 Lyners, Danielle Hilde (Electrical Engineering) (*cum laude*)
 Makgoba, Matome Elias (Electrical Engineering)
 Manatsa, Tapiwa Joseph (Mechanical Engineering)
 Maradzano, Isabellah (Industrial Engineering)
 Marais, Niel Hardus (Civil Engineering)
 Mariti, Thato Monica (Civil Engineering)
 Masegela, Mathabo Kgabo Sheron (Civil Engineering)
 Matshabaphala, Ntebaleng Sharon (Industrial Engineering)
 Mattheus, Rohann (Electrical Engineering)
 McKechnie, Tristan (Mechanical Engineering)
 Meylahn, Benedikt Valentin (Industrial Engineering) (*cum laude*)
 Mohali, Whelan Sergio (Electronic Engineering)
 Morison, Storm Diana (Chemical Engineering) (*cum laude*)
 Mtshali, Mbali (Electrical Engineering)

Mutimutema, Paul (Mineral processing)
 Muzah, Reitumetse Clara (Civil Engineering)
 Nel, Joshua Lourens (Chemical Engineering) (*cum laude*)
 Noelle, Francois Frieder (Mineral processing)
 Nolting, Christian Wolfgang (Engineering Management)
 Odendaal, Guillaume (Mechatronic Engineering) (*cum laude*)
 Oosthuizen, Willem Renier (Civil Engineering) (*cum laude*)
 Parker, Benjamin Stuart (Mechanical Engineering)
 Patel, Muhammad Ilyas (Civil Engineering)
 Peacock, Chad (Civil Engineering)
 Qumba, Axola (Civil Engineering)
 Raphael, David Joseph (Mechanical Engineering)
 Ravat, Natheera (Electrical Engineering)
 Redelinghuys, Zaan (Industrial Engineering)
 Rice, Cailin Maria (Mechatronic Engineering) (*cum laude*)
 Rossouw, Johan Joubert (Mechatronic Engineering) (*cum laude*)
 Sabeel, Abdelmohsen (Mechanical Engineering)
 Scheepers, David Johannes Jacobus (Electrical Engineering)
 Schwaeble, Claudia Francesca (Chemical engineering)
 Serfontein, Jean-Pierre (Engineering Management)
 Setati, Tiro (Electronic Engineering)
 Siame, Nkumbu (Civil Engineering)
 Slabber, Johannes Francois (Electronic Engineering) (*cum laude*)
 Spies, Ruan Arnold (Industrial Engineering) (*cum laude*)
 Statt, Cundell Peter (Electrical Engineering)
 Strauss, Lourens (Civil Engineering) (*cum laude*)
 Streuderst, Anchen (Civil Engineering) (*cum laude*)
 Strydom, Johan (Electrical Engineering)
 Swart, Hein Xavier (Electronic Engineering) (*cum laude*)
 Swinny, Raphael Lloyd (Electrical Engineering) (*cum laude*)
 Teek, Shane Tabor (Civil Engineering) (*cum laude*)
 Theunissen, Carl Daniel (Mineral Processing) (*cum laude*)
 Tränkle, Veronique (Industrial Engineering) (*cum laude*)
 Ungen, Marc (Engineering Management) (*cum laude*)
 Usongo Amika, Akuta (Civil Engineering) (*cum laude*)
 Van der Merwe, Laubscher (Industrial Engineering)
 Van der Merwe, Vincent (Mechatronic Engineering)
 Van Eetveldt, Henri (Electronic Engineering)
 Van Schalkwyk, Johannes Wallace (Engineering Management)
 Van Zuydam, Armand (Mechanical Engineering) (*cum laude*)
 Van Zyl, Juandré Eric (Civil Engineering)
 Venter, Bernard Hermann (Electronic Engineering)
 Viljoen, Hermanus Carl (Mechanical Engineering)
 Visagie, Pieter Willem Wessels (Civil Engineering) (*cum laude*)
 Warren, Bradley Vaughan (Civil Engineering)
 Weideman, Rina-Mari (Electronic Engineering) (*cum laude*)
 Willie, Balisi (Civil Engineering)
 Winter, Jessica May (Civil Engineering) (*cum laude*)
 Wippel, Marius Tim (Engineering Management)

Nagraadse Diploma in die Ingenieurswese Postgraduate Diploma in Engineering

Akuaake, Iyaloo Taimi
 Aleixandre Tudo, Jose Luis
 Du Toit, Karien
 Karsan, Sadhana (*cum laude*)
 Opperman, Sanri (*cum laude*)
 Schwalb, Ronald George (*cum laude*)

Steinhaus, Mark Maximilian (*cum laude*)
 Thenjwayo, January Amon
 Van der Have, Jean Andre (*cum laude*)
 Van der Merwe, Arneau Jacques (*cum laude*)
 Williams, Christopher Allen (*cum laude*)
 Williams, Paul James (*cum laude*)

Baccalaureus in die Ingenieurswese Bachelor of Engineering

Agenbag, Christopher Murray (Civil)
 Annandale, Sune Michelle (Chemical)
 Barnard, Christoffel Jacobus (Mechatronics)
 Barnard, Ivan Andreas (Electrical and Electronic)
 Barnardo, Michael Johan Petrus (Industrial)
 Beeka, Alexandra Kay (Mechanical)
 Benz, Heinrich Stephen (Electrical and Electronic)
 Boonzaaier, Petrus Johannes (Industrial)
 Brand, Janco (Mechanical)
 Bredell, Francois (Mechatronics) (*cum laude*)
 Briggs, Christopher Shane (Mechatronics)
 Brink, Ean Marthin-Niel (Mechatronics)
 Brink, Lambert Paul (Mechatronics)
 Brits, Jeandre Adriaan (Civil)
 Bruintjies, Dean (Mechanical)
 Buhrmann, Yvonne (Mechatronics)
 Burger, Herman Nicolaas (Mechatronics)
 Burger, Ian Vincent (Mechanical)
 Burgess, Aiden Edward (Chemical)
 Chidavaenzi, Grace Tariro (Industrial)
 Chivava, Wiseman (Mechatronics)
 Cullis, James Alan (Mechatronics)
 Daniel, Jason Christian (Mechatronics)
 Daniels, Kelly Jade (Industrial)
 Davids, Kyran Channing (Mechanical)
 De Bruyn, Juandré (Mechanical)
 De Villiers, Louis (Industrial)
 De Wet, Nienke-Marie (Chemical)
 Dlamini, Trevorson Bongani (Civil)
 Dreyer, Tashreeq (Civil)
 Du Plessis, André (Civil)
 Du Plessis, Jean (Electrical and Electronic)
 Du Toit, Jacques Francois (Mechanical)
 Dukhi, Rahul (Civil)
 Egberink, Ross Cameron (Mechanical)
 Erasmus, Amanda Stephanie (Chemical)
 Flynn, Shannon-Lee (Mechatronics)
 Fouche, Phillip Christian (Mechatronics)
 Fourie, Eduard Theodor (Mechanical)
 Gcwensa, Thamsanqa Lucky (Mechatronics)
 Gordon, Rabin Philip (Mechanical)
 Grensing, Victor (Mechatronics)
 Grundling, Anne Beatrix (Industrial)
 Haasbroek, Petrus (Mechanical)
 Hanekom, Hendrik Andries (Industrial)
 Hanekom, Jandré (Mechanical)
 Hefer, Lehan Hayden (Mechatronics)
 Henri, Joshua Timothy (Chemical)
 Heyns, Jana (Electrical and Electronic)
 Hill, Zander (Mechanical)
 Hobson, Richard Mark (Mechatronics)
 Hougaard, Luhan (Mechanical)

Hugo, Devlin Johnathan (Mechatronics)
 Jiran, Ivan (Mechanical)
 Johnson, Daniël Jacques (Electrical and Electronic)
 Jordaan, Jaco (Mechatronics)
 Kara, Alisha Heena (Mechatronics)
 Karamichael, Andreas Charalambos (Mechatronics)
 Kasir, Tanvir Mun (Electrical and Electronic)
 Katsumbe, Tinotenda Dudu (Chemical)
 Ketterer, Michael Glenn (Civil)
 Khan, Suleman (Mechanical)
 Kirchner, Hugo (Civil)
 Kote, Mbulelo Lameck (Industrial)
 Krahtz, Lara (Industrial)
 Kruger, Jacques (Mechanical)
 Landsberg, Matthew Lewis (Chemical)
 Le Roux, Tristan (Mechanical)
 Leibbrandt, Adrian Jarod (Electrical and Electronic)
 Lombard, Gerard Jacobus (Mechanical)
 Louw, Christina Alet (Chemical)
 Louw, Jacobus Cornelius (Civil)
 Makombe, Tina Venessa (Civil)
 Maluleke, Lavhelesani (Mechanical)
 Marais, James (Mechanical)
 Maritz, Jan-Louis (Mechanical)
 Marx, Dorian (Mechanical)
 Mazor, Noam (Mechatronics)
 McEwan, Amy Ann (Mechanical)
 McKay, Matthew Donald (Mechanical)
 Melville, Carolynne (Civil)
 Mnqokoyi, Sihle (Civil)
 Momoh, Chris Favour Ojonugua (Chemical)
 Morkel, Gerritt Maritz (Mechanical)
 Morling, Nicholas Peter (Electrical and Electronic)
 Mostert, Jean-Pierre (Civil)
 Motlola, Kitso (Electrical and Electronic)
 Mukoni, Esmeralda (Electrical and Electronic)
 Mulaudzi, Ndamulelo Glen (Mechanical)
 Munemo, Ruvimbo Eustina (Civil)
 Mutaitina, Kelvin Oswald (Civil)
 Myburgh, Alwyn Johann (Mechanical)
 Mzimane, Fefe (Civil)
 Nagel, Matthew (Mechatronics)
 Naude, Toby Luc (Mechanical)
 Nicholls, Grantham Harry (Mechanical)
 Nkambule, Sifiso (Civil)
 Oosthuizen, Georg Frederik (Mechanical)
 Pauw, Daneel (Mechanical)
 Pearson, Justine Zilla (Chemical)
 Pienaar, Jean (Mechanical)
 Pieters, Hilton (Mechatronics)
 Ponto, Daniel (Chemical)
 Rajput, Khavna (Civil)
 Ralph, James Stuart (Mechanical)
 Ramafoko, Louisah Motlalepula (Electrical and Electronic)
 Reid, Thomas William (Mechanical)
 Reynierse, John-Barry (Civil)
 Rezelman, Carl Bernard (Mechatronics)
 Rishworth, Jacob (Mechatronics)
 Rodrigues, Muneer (Electrical and Electronic)
 Rossouw, Jacques Etienne (Mechatronics)
 Roux, Lodric Robert (Mechanical)
 Schroder, Brandon (Mechanical)

Senekal, Marcelle (Mechanical)
 Smit, Dewan (Mechatronics)
 Spencer-Hicken, Scott (Mechanical)
 Stapelberg, Marthinus Hermanus (Mechanical)
 Steven, James Michael (Mechanical)
 Steyn, Johannes Frederik (Mechatronics)
 Strydom, Quintin Alan (Electrical and Electronic)
 Sundstrom, Todd (Industrial)
 Swanepoel, Louis (Mechatronics)
 Swartz, Cornelius Thomas (Mechatronics)
 Thomas, Tharun (Electrical and Electronic)
 Timberlake, Aiden Joshua (Mechanical)
 Totos, Luke (Industrial)
 Van der Merwe, Eamon (Mechanical)
 Van Deventer, Marilana (Electrical and Electronic)
 Van Heerden, Gerhardus Coenrad (Mechanical)
 Van Schalkwyk, Pieter Daniel (Mechatronics)

Van Zyl, Jacobus Gerhardus (Mechanical)
 Van Zyl, Jacques (Mechanical)
 Van Zyl, Johannes Stephanus (Mechanical)
 Vass, Kane Ben (Mechanical)
 Venter, Liam Marcel (Industrial)
 Vicente, Riccardo Piero (Civil)
 Viljoen, Jani (Mechanical)
 Visser, Carl-Hein (Mechatronics)
 Vooght, Dominic Terence (Chemical)
 Wanday, Ted Amani (Civil)
 Wasserfall, Jacob Gabriël (Mechanical)
 Weber, Carmen Samantha (Electrical and Electronic)
 Wegelin, Marike Elizabeth (Mechanical)
 Wessels, Waldo (Mechatronics)
 Wesson, Jessica Kira (Mechanical)
 Wingnean, Dylan Kevin (Mechatronics)

Virtuele Toekennings

Fakulteit Natuurwetenskappe

I April – 09:00

Virtual Awards

Faculty of Science

I April – 09:00



Fakulteit Natuurwetenskappe | Faculty of Science

Magister in die Natuurwetenskappe Master of Science

Afonso, Luca (Botany)
 Ball, Lauren Elaine (Polymer Science) (*cum laude*)
 Barker, Adelé Mariska (Plant Biotechnology)
 Becker, Frederik Willem (Botany) (*cum laude*)
 Beselaar, Leandrie Corné (Physiological Sciences)
 Brooks, Jolene (Botany) (*cum laude*)
 Conradie, Louis Timoteus (Biochemistry)
 De Villiers, William Henry (Biochemistry) (*cum laude*)
 Dominick, Leanne Lynn (Physiological Sciences)
 Doughty, Myra (Geology)
 Ewels, Melissa (Zoology)
 Fouche, Helene (Bioinformatics and Computational Biology) (*cum laude*)
 Hoffmann, Lelanie (Genetics) (*cum laude*)
 Kellow-Webb, Sarah Maggie (Biochemistry)
 Lagerwall, Jessica Amy (Genetics) (*cum laude*)
 Lines, Harry Alexander Paulson (Geology) (*cum laude*)
 Madzivire, Panashe Kundai (Plant Biotechnology)
 Maheso, Abbey Matimba (Physics)
 Marx, Jan-Taljaard (Botany) (*cum laude*)
 Masoudi, Yasamin (Biochemistry) (*cum laude*)
 Mohamed, Zhunaid (Computer Science)
 Myburgh, Lauren (Biochemistry) (*cum laude*)
 Nel, Natalie (Genetics) (*cum laude*)
 October, Craig Amos (Biochemistry) (*cum laude*)
 Pittaway, Ian Bennet (Physics) (*cum laude*)
 Prangley, Charné (Physiological Sciences)
 Pretorius, Mauritz Hermon Otto (Polymer Science)
 Rademeyer, Anina Zenda (Biochemistry)
 Relling, Elanda (Biochemistry)
 Roman, Stacey Kelly (Polymer Science)
 Truter, Nina (Physiological Sciences) (*cum laude*)
 Tshali, Nolwethu (Botany) (*cum laude*)
 Van der Berg, Ineke (Mathematics) (*cum laude*)
 Wagener, Catherine Hellembrecht (Botany and Zoology)
 Wells, Felicia Bernita (Biochemistry)

Beukes, Arno
 Binneman, Enrico Cyril
 Booley, Rushda
 Breuning, Megan Hilda
 Burger, Lenay
 Carter-Smith, Rebecca
 Coetzee, Courtney
 Coetzee, Leon Abraham
 Cowing, Alexandra Mary
 Cross, Samira Ruth
 Crowther, Devon Neil
 De Villiers, Zander
 De Wet, Marguerite Louise
 Derman, David Garron
 Dewah, Thatshisweyinkosi Nokuthulisa
 Dinnie, Yushra
 Douglas, Wesley
 Du Preez, Lara Alrine
 Edwards, Jason
 Fell, Sian Ryan
 Folscher, Nicholas Christian
 Fooy, Lyndon
 Fourie, Jana
 Frans, Courtney Toni
 Gabriel, Matthew Yon
 Gebenga, Zizipho
 Gilbert, Keenen Gregory George
 Gongqo, Buzwe
 Grobler, Corné
 Grobler, Dylan Lawrence
 Groenewald, Cailin Margot
 Hanley, Michael-Jon (*cum laude*)
 Harris, Labeeqah
 Isaacs, Kauthar
 Jamal, Sahar Bathsheba
 Janse Van Rensburg, Megan
 Jansen Van Vuuren, Lide
 January, Zizipho Sharon
 Johnstone, Meghan Laura
 Jones, Cameron
 Jordan, Taine Matthew Cameron
 Joubert, Josie
 Khosa, Neto
 Klaasen, Larnell Donovan
 Kok, Danielle
 Koster, Emma
 Kote, Bulelani Aaron
 Kruger, Armand
 Kwetane, Zintle
 Lampen, Michael Jan
 Le Roux, Kyle
 Ledwaba, Ramasela Phuti
 Linder, Stephanie Jane
 Lindsay, Brandon Troy
 Lombard, Mia
 Louw, Liam
 Ma, Min Min
 Mace, Shannon-Lee
 Makeleni, Lumka Peggy

Honneurs-Baccalaureus in die Natuurwetenskappe Bachelor of Science Honours

Carstens, Althea (Polymer Science)
 Cullis, Andrew (Computer Science) (*cum laude*)
 Hibberd, Matthew (Computer Science)
 Milligan, Thomas James (Computer Science)
 Muller, Jared (Earth Sciences)
 O'Kennedy, Elizabeth (Computer Science) (*cum laude*)
 Radebe, Anele Nolitha (Physics)
 Sampson, Joshua Ethan (Genetics)
 Swart, Jaco (Computer Science)

Baccalaureus in die Natuurwetenskappe Bachelor of Science

Abrahams, Ilhaam
 Allies, Robyn Gabrielle
 Almano, Matthew Aiden
 Amos, Josh
 Apilli, Barbra Ebal
 Baloyi, Tintswalo Olereko
 Benjamin, Reece

Makhae, Georgina Lerato
Mampe, Amogelang Bellington
Marais, Ilize
Mashego, Dineo
Mashogoane, Diiseng Mahlagaune
McCloy, Savannah
Mkhize, Bongani True
Moodley, Sachin
Motang, Tumisang
Nastenko, Vladyslav
Nel, Henrike
Nkentsha, Asive Anelisiwe Melody
Notrem, Merton-Curtis
Ntuli, Mbalenhle
Oberholzer, Anna Dorathea
Oosthuizen, Melissa
Oosthuyse, Mehan
Orlik, Brittany Anne
Pietersen, Jerome
Pretorius, Lea Elizabeth
Prinsloo, Danica
Ramsden, Matthew Jonathan James
Ras, Riyaad
Rath, Franz Chad
Robinson, Bethany
Robson, Damian

Rodenbach, Martin Smuts
Roon, Sebastian Huibrecht
Ruiters, Marzanne
Runyowa, Yeukai
Semwayo, Zivanai Bruno
Shaboodien, Sara
Shaik, Ayesha Rasheed
Smith, Ashleen Paige
Spanier-Marson, Brittany
Stemmet, Madeleine
Sterley, Michelle Amanda
Stoltz, Danae
Theunissen, Jacobus
Van der Merwe, Gert Johannes
Van der Merwe, Jaymie
Van Deventer, Corne (*cum laude*)
Van Niekerk, Herma Helene
Van Niekerk, Mari Barbara
Van Niekerk, Nadia
Van Renen, Hugo-Ben
Vena, Sibahle
Vorster, Othmar Ledon
Wagstaff, Sharli
Welmans, Aimee
Wolmarans, Rigardt Quintus
Zungu, Keagilwe Didintle

Stellenbosch University Alumni

Graduating from university is a big step in your life's journey. Once you have obtained your degree, you form part of the alumni community and Stellenbosch University remains your intellectual home. The Alumni Relations Office believes the success of a university depends greatly on the participation of its alumni, therefore we strive to keep you connected to your alma mater long after the euphoria of obtaining your qualification/s has died down.



Om van 'n universiteit te graduateer is 'n groot stap in enigeen se lewensreis. Sodra jy jou graad verwerf het, vorm jy deel van die alumni-gemeenskap van jou universiteit en bly die Universiteit Stellenbosch jou intellektuele tuiste. Die Alumni-kantoor streef daarna om alumni met hul almal mater in verbinding te hou nog lank nadat die euforie van graadvang verby is.

Contact Us

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E-mail: alumni@sun.ac.za

Kontak Ons

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Faks: +27 21 808 8405

E-pos: alumni@sun.ac.za

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South Africa

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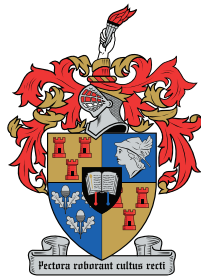
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Privaatsak XI
Matieland, 7602
Suid-Afrika

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Stellenbosch

Fisiese adres:

Victoriastraat, Admin B, 3de Vloer
Stellenbosch



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