

ORDER OF PROCEEDINGS

The congregation is requested to stand while the choir sings Gaudeamus Igitur and the procession enters the Auditorium.

The Chancellor will constitute the Congregation.

The Vice-Chancellor will welcome the Congregation.

The Public Orator, Distinguished Professor Paul R Maylam, will present the Honourable Chief Justice Raymond Mnyamezeli Mlungisi Zondo for the Degree of Doctor of Laws, *honoris causa*.

The Honourable Chief Justice Raymond Mnyamezeli Mlungisi Zondo will address the Congregation.

The Deans of Faculties will present the candidates for the conferral of Degrees of Bachelor, Bachelor with Honours and Master.

The Deputy Vice-Chancellor (Academic and Student Affairs) will present Dr Ntethelelo Hope-well Sibiyi for the Vice-Chancellor's Teaching Award.

The Interim Deputy Vice-Chancellor (Research, Innovation and Strategic Partnerships) will present Professor Oleg Mikhailovich Smirnov for the conferment of the title "Distinguished Professor".

The Congregation will stand and sing the National Anthem.

The Chancellor will dissolve the Congregation.

The congregation is requested to stand while the procession leaves the Auditorium.

With the exception of the commencement and the conclusion of the ceremony and the singing of the National Anthem, members of the congregation are requested to remain seated throughout the proceedings.

INKQUBO

Ingqungquthela iyacelwa ukuba iphakame ngexesha iKwayala icula uGaudeamus Igitur, umkhosi wemithika ungena ngaphakathi.

INgqonyela imisela iNgqungquthela.

USekelangqonyela wamkela iNgqungquthela.

ISithethi, uNjingalwazi oBekekileyo uPaul R Maylam uza kunikezela oHloniphekileyo uJaji oyiNtloko uRaymond Mnyamezeli Mlungisi Zondo iwonga lesiDanga sobuGqirhalwazi kwezoMthetho, *honoris causa*.

OHloniphekileyo uJaji oyiNtloko uRaymond Mnyamezeli Mlungisi Zondo uza kwenza intetho kwingqungquthela.

IiNtloko zeFakhalthi zibiza abaza kuthweswa ngeziDanga ze*Bachelor*, eze*Honours* neze*Masters*.

UMncedisi weSekelangqonyela (imiCimbi yezeMfundo nabaFundi) wazisa uGqirhalwazi Ntethelelo Hope-well Sibiya njengofumana iMbasa kaSekelangqonyela kwezokuFundisa.

UMncedisi weSekelangqonyela weThutyana (uPhando, iNguqu noBambiswano lokuPhumeza iiNjongo zeYunivesithi) wazisa uNjingalwazi uOleg Mikhailovich Smirnov njengofumana itayitile yokuba “nguNjingalwazi oKhethekileyo”.

INgqungquthela iza kuphakama ivume uMhobe weSizwe.

INgqonyela iza kuchitha iNgqungquthela.

Ingqungquthela iyacelwa ukuba iphakame ngexesha uMkhosi wemithika uphuma.

Ngaphandle kwaxa kuqalwa naxa kusongwa uMsitho, naxa kuculwa uMhobe weSizwe, abantu abakwiNgqungquthela kufanele bahlale phantsi ngalo lonke ixesha kuqhutywa inkqubo.

VOLGORDE VAN VERRIGTINGE

Die kongregasie word versoek om te staan terwyl die koor Gaudeamus Igitur sing en die prosessie die ouditorium binnekom.

Die kanselier sal die kongregasie konstitueer.

Die visekanselier sal die kongregasie verwelkom.

Die openbare spreker, uitgelese professor Paul R Maylam, sal die Edele hoofregter Raymond Mnyamezeli Mlungisi Zondo voorstel vir die doktorsgraad in die regte, *honoris causa*.

Die Edele hoofregter Raymond Mnyamezeli Mlungisi Zondo sal die kongregasie toespreek.

Die dekane van die fakulteite sal die kandidate voorstel vir die toekenning van baccalaureusgrade, honneurs-baccalaureusgrade en meestersgrade.

Die adjunk-visekanselier (akademiese en studentesake) sal dr. Ntethelelo Hope-well Sibiyi voorstel vir die Visiekanselier se toekenning vir onderrig.

Die tussentydse adjunk-visekanselier (navorsing, innovasie en strategiese vennootskappe) sal professor Oleg Mikhailovich Smirnov voorstel vir die toekenning van die titel “uitgelese professor”.

Die kongregasie sal staan en die volkslied sing.

Die kanselier sal die kongregasie verdaag.

Die kongregasie word versoek om te staan terwyl die prosessie die ouditorium verlaat.

Met die uitsondering van die aanvang en afsluiting van die seremonie, sowel as met die sing van die volkslied, word die kongregasie versoek om tydens die verrigtinge te bly sit.

FACULTY OF PHARMACY

DEGREE OF BACHELOR OF PHARMACY

AKWA, Lynn-Anne Ankhembom, **with distinction**
BALOYI, Akani Havy
BAM, Athule
BANDA, Marilele Treasure-Enoch, **with distinction**
CHETTY, Petashia
CHIPOMHO, Leseli, **with distinction**
CHIWUNDURA, Munyaradzi
CIBI, Andiswa
CLAY, Siposihle Phiwe
DABENGWA, Nqobani Mathew
DAUWA, Thuletu
DLAMINI, Mvuselelo
DLUDLA, Siphokazi Bongeka Kadunyiswe, **with distinction**
DYODA, Zizipho Ziyathandwa
DZANGARE, Tadiwa Karen, **with distinction**
EMSLEY, Sophy Ashley
FITZ, Kayley Theresa
FRIESLAAR, Jude Joseph
GCOLOTELA, Sibusiso
GENGAN, Giovanni John
GOVENDER, Maclyn Cameron, **with distinction**
GOVENDER, Nidhi Shriya, **with distinction**
GOVINDSAMY, Elisha, **with distinction**
GOVUZA, Siphokazi
GUMEDE, Noluthando
GUMEDE, Welile Oubrey
GWAXULA, Hlomla
HADEBE, Nompilo Patience
HOKO, Edina Nyaradzo
JOSEPH, Takudzwa Lee
KANDA, Daryl Tanaka, **with distinction**
KGATLA, Malekutu Sekgala
KHANYEZA, Phiwokuhle Sisanda

KHOZA, Nontsikelelo Nokuthula
KLOPSTRA, Robert Andrew
KOKATAY, Abdul-Ghafoor
LAI, Hui-Chuan
LEMBETHE, Gugulethu
LUKHNA, Tia
MACHIPISA, Nyasha Rose, **with distinction**
MADZIWA, Tabitha
MAHESH, Yashil
MAKAWULA, Thokozani
MAKGABO, Phuti Neo
MAKHABENI, Lwando
MAKHWATHA, Kessiah
MAKIYI, Nathan Kudakwashe
MAKUWATSINE, Florence Dakadzai
MALUMA, Lufuno
MANINA, Bukanani Khalipha
MAPHANGA, Siyasamkela Innocent
MASEKO, Amanda Nosihle
MASHAYAMOMBE, Tinashe, **with distinction**
MASHEGO, Mpendulo Percival
MASHONGANYIKA, Wayne Mutsa
MATHOPA, Tebogo Stephenson
MATSHIDISO, Solofelang
MBANGA, Sange Sive
MBOFANA, Janice Rudairo
MBONGWA, Cebisile Progress
MEMELA, Sithandiwe Precious
METHULA, Melusi Nduduzo
MGADI, Ayanda
MHLONGO, Khazamula Terrance
MJOLI, Masibonge Nkosinathi Goodenough
MKOKO, Emihle
MNDEBELE, Surprise Themba, **with distinction**
MNEMBE, Richard
MNYANDU, Amanda Babhekile
MOGALE, Segofatso

MOHAI, Jesica Hlomphang
MOKOATEDI, Kholofelo Noko
MONYATSIWA, Ludzi
MOODLEY, Jenashlin
MOODLEY, Vaishnavi
MOSES, Grace Michelle
MOSIANE, Kamogelo Oregopotse
MOTHILALL, Astrid
MOYO, Thandeka Jessie
MPATANE, Azile
MPENGESI, Kamva Mphilisi
MPHAHLELE, Nape Motlana
MPITI, Nasiphi
MPONTSHANE, Mkhuleko Mc
MQADI, Noxolo Samantha
MTHEMBU, Nompumelelo
MTHI, Ayafika
MTHIMKHULU, Jabulani Samuel
MUCHATO, Innocent, **with distinction**
MUDAU, Mpfunzeni
MUGIYA, Takudzwa Cleophas, **with distinction**
MUNSAMY, Poushalia
MURRAY, Jaydee Sherileigh
MUSHAIKE, Colline Miriam
MZOLO, Nonduduzo Sithokozile
NAICKER, Abigail
NAICKER, Cleonie, **with distinction**
NAICKER, Kiyasha
NAICKER, Llewellyn Vicario, **with distinction**
NAICKER, Madden
NAIDOO, Renelle, **with distinction**
NCUBE, Sinenhlanhla Melarnie
NDABA, Silondiwe Bongumusa
NDLAZI, Vumokuhle Lucia, **with distinction**
NDLOVU, Handsome, **with distinction**
NDUMO, Thembeke Promise
NEIL, Amber-Jean

NGQANGASHE, Hlalanathi
NGUSE, Anele Nokubonga
NGWENYA, Brendon
NGWENYA, Mphile
NGWIRA, Ndumiso Perfect Nkululeko
NKUMANDA, Lungisile
NKUMANE, Sizolwethu
NOTSOLO, Lunga
NSIBANDE, Ntokozo Elvis
NTLAWUZANA, Ntsindiso
NTSOMI, Zolani
NXUMALO, Gcinizifiso Sekwanele
NYANDORO, Albert Tawanda
NZAMA, Onke Furman
PARBULALL, Menaka
PETERSEN, Clivia
PILLAY, Anuri
PILLAY, Michaela
POTGIETER, Marlize, **with distinction**
RAMOROKA, Kgaugelo Kenneth
RASELEMANE, Seiso Caiphus
REDDY, Kayley, **with distinction**
ROBERTS, Shannon Ann
SAM, Naledi Prudence
SAMUELS, Nathan
SANDE, Rutendo Priscilla, **with distinction**
SANDI, Selunathi
SANYU, Keren Ruth, **with distinction**
SHA, Mohammad Zaffar
SHANGASE, Fezile
SHUMBA, Award, **with distinction**
SIBANDA, Anele Makhanjana, **with distinction**
SICABA, Bongani
SIMASIKU, Davids Sishakano, **with distinction**
SIMELANE, Cebo Simangaliso
SIMELANE, Thandeka Nonhle
SINGH, Akshay Kumar

SINGH, Sapna, **with distinction**
SITHOLE, Thembela Simphiwe
SOPAPAZA, Yamkelani
SRIKISSAN, Mayuri
STUCKY, Bianca
SULWANA, Ntsika Mana
TEMBE, Kwanele Senzeni
THUSI, Zamekile Angel
TSAWE, Wonga
TYOLO, Khanyisa
VAMBE, Sasha Danai, **with distinction**
VAN SENSIE, Hayward Leoze, **with distinction**
ZOLA, Noziphiwo, **with distinction**

FACULTY OF LAW

DEGREE OF BACHELOR OF LAWS

BLAIR, Ayla Nadine
CAWE, Zuko Njica
CHINGANYA, Tamara Lackel
CHUENE, Ramaesela Ellah Vincentia
DHLAMINI, Fezekile Sibongile Sarah
FAMBA, Tinashe Eric
GORA, Chuma-Nande
GUMEDE, Nomfundo Faith
HARDY, Cameron Patricia
HEGGIE, Nathan Leslie
KABEYA, Sacree
KASHANGURA, Vhenekai Dakarai Nicole
KEKANA, Lineo
KHUZWAYO, Sithandwa Thandulwazi
KOMONDE, Tintswalo Charlene
KONJORE, Elaine Ottolie
KWARAMBA, Collen Rutendo
LIBISI, Lesego
MABUZA, Ntsako

MACHABI, Amukelani
MAKHANYE, Samkelisiwe Ayanda
MANEYA, Panashe Mildred
MASHAO, Masindi Achibold
MKULA, Xolelwa
MLAMBO, Panashe Marie Louise
MNDAYI, Xolela Blessing
MOOLMAN, Frederick Rudolph
MOONSAMY, Jordan James
MORENGOA, Mpokiseng Clive
MOSIKIDI, Paballo
MRWEBI, Mbasu
MURANDA, Ransom Munashe Tinorarama
NCUBE, Andile Pretty
NCUBE, Thembelani
NDEBELE, Thobani Mjabulisi
NDLOVU, Talent Neliswa
NGEMA, Lusanda Zamantusi
NTOMBELA, Zombuso Sanele
NYAKURIMWA, Ruponeso
NYATI, Skhumbuzo
NYEMBA, Shamiso Faith
NYKER, Junaid
NYONI, Tatenda Charles
SETSHEDI, Laone Tshepo Kamogelo
SHEPHARD, Jason Andrew
SIDYIYO, Achume
SIKHAKHANE, Anetta Fezile Mercy
SIPHANGO, Sinazo
STOLTZ, Caitlin Ann
TSHAKA, Zintle
WEBBER, Georgia
ZWANE, Phumelele Mpho

FACULTY OF COMMERCE

DEGREE OF BACHELOR OF COMMERCE WITH HONOURS

BOESAK, Xavier Josh, in Information Systems
BUQUE, Shelsea Ussevina Estevão, in Management
CARNEGIE, Morgan Iain, in Financial Management
CHILI, Thembelani, in Economics
CLAY, Sivuyisiwe, in Financial Management
CONNOCK, Emma Kate, in Information Systems
DAVIS, Jenna Lee, in Management, **with distinction**
DLADLA, Sinethemba Nhlakanipho, in Information Systems
DUBE, Mandisi Bayethe, in Financial Management
FIPAZA, Konke Londwabo, in Management
GOMBELA, Oarabetse Nomagugu Ladymon, in Information Systems
HANSFORD, Mallory Jane, in Organisational Psychology, **with distinction**
HLOPHE, Ntuthuko Zithande, in Economics
HOBDEN, Liam, in Information Systems
HOBSON, Micyla Cristi, in Information Systems
KUNENE, Luvuyo, in Management
LENGISI, Mila Rhesa, in Economics
LUNNEY, Matthew James, in Economics, **with distinction**
MADLALA, Sicelo, in Financial Management
MAGAGULA, Nozibheva Semakaleng Nonkanyezi, in Financial Management
MAHLAMVANA, Tatenda Tanaka, in Information Systems, **with distinction**
MAHOZA, Taboka Thabo, in Economics
MAKOLIJA, Ulemu Felista, in Financial Management, **with distinction**
MALATSI, Agnes Tlhalefang, in Economics
MATYUNJWA, Busi, in Financial Management
MBALULA, Lutho, in Economics, **with distinction**
MBIRA, Tariro Millicent, in Management
MBVUNDULA, Ufulu Chifuniro, in Financial Management, **with distinction**

MHLAMBI, Lwazisile Lwandile, in Information Systems
 MNISI, Tshembiso, in Information Systems
 MOGOAI, Kutlwano, in Economics
 MOHAPI, Confidence Diate, in Economics
 MOKOENA, Marphil, in Information Systems
 MOLEFI, Sallie Poonyane, in Financial Management
 MOLEYA, Mpilwenhle Mpho Takalani, in Information Systems
 MOTSHEGWE, Thabang Tshegofatso, in Financial Management
 MQONGWANA, Ziphozihle, in Financial Management
 MSIZAZWE, Thabiso Thando, in Information Systems
 MULLER, Danick Jude, in Economics, **with distinction**
 MUSONDA, Mwenya, in Information Systems
 NDZAMELA, Xolela, in Economics, **with distinction**
 NEBBE, Jordan Bernhard, in Information Systems
 NTSHONA, Mogomotsi Repentance Metlha, in Economics, **with
 distinction**
 PASIYA, Miliswa Millicent, in Management
 QOLE, Sibulele, in Management
 RAMATLAPE, Matiego Duduetsang Mary-Ann, in Financial
 Management
 RAPHELA, Nkhame Lydia, in Economics
 RASELOMANE, Bokang John Jason, in Management
 REDDY, Kevashni, in Management
 SANDT, Nathan Cody Berton, in Organisational Psychology
 SHEYA, Helvi Nashilongo Tuyambeka, in Accounting, **with
 distinction**
 SIBUQASHE, Aphiwe Lindokuhle, in Information Systems
 STAMPER, Kuhle, in Organisational Psychology
 STONE, Nathan Russell, in Information Systems, **with distinction**
 SUKUMANI, Rivoningo, in Information Systems
 TEMA, Raphaahle Tshegofatso, in Information Systems
 THEMBA, Canadoce Andile Vuyani, in Economics
 TICHIWANGANA, Tatenda Samuel, in Information Systems
 YONA, Chumisa Buhle, in Financial Management

DEGREE OF BACHELOR OF ECONOMICS WITH HONOURS

JERE, James, in Economics
KHATHIBE, Relebohile Paula, in Management
MAKUWA, Takudzwa Blessing, in Economics
MERRICK, Stephanie, in Economics
MOLOI, Keitumetse, in Information Systems
MONYAMANE, Karabo, in Economics
MORUDI, Mpho, in Economics
MOSHOPE, Fulufhelo, in Economics
MUGAMBI, Mwiti, in Economics, **with distinction**
MUSHIMBA, Mwewa, in Information Systems
NHIDZA, Harton Taunganirwa, in Economics
SEMECHE, Thabang Percy, in Industrial & Economic Sociology
SOLONTSI, Athini, in Information Systems

FACULTY OF PHARMACY

DEGREE OF MASTER OF SCIENCE (PHARMACY)

AYODELE, Omobolanle Opeyemi, BPharm (Rhodes), in Pharmacology, **with distinction**, in the Faculty of Pharmacy. Degree by thesis. Thesis: An in vitro investigation of novel quinolone derivatives on selected pharmacological targets for diabetes mellitus and associated complications. Supervisor: Dr N Sibiya. Co-supervisors: Professor SD Khanye and Professor ME Mothibe.

KAKONO, Chiedza, BPharm (Rhodes), in Pharmaceutics, **with distinction**, in the Faculty of Pharmacy. Degree by thesis. Thesis: Optimization of an intranasal levodopa nanocrystalline formulation for delivery to the brain. Supervisor: Professor RB Walker. Co-supervisor: Dr P Makoni.

FACULTY OF LAW

DEGREE OF MASTER OF LAWS

OKEYO, Julian Rebecca Atieno, LLB (UFH), PG Cert (Education) (Rhodes), **with distinction**, in the Faculty of Law. Degree by thesis. Thesis: The prosecution of forced marriage by international tribunals and courts in light of the principle of legality. Supervisor: Professor EC Lubaale.

THORNE, Aimee Liza, BA, LLB (Rhodes), **with distinction**, in the Faculty of Law. Degree by thesis. Thesis: The proprietary consequences of foreign marriages for the purposes of estate planning and succession in South Africa. Supervisor: Mrs SEH Driver.

FACULTY OF SCIENCE

DEGREE OF MASTER OF SCIENCE

BUTE, Tafara Frank, BSAB (MSU), in Zoology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Microbial and extracellular polymeric substance dynamics in arid-zone temporary pan ecosystems. Supervisor: Professor RJ Wasserman. Co-supervisor: Dr T Dalu (Venda).

FOWLER, Natalie, BA (UNCW), in Zoology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: The influence of immuno-contraception on the ecology of African savanna elephants (*Loxodonta africana*) in a small game reserve in the Eastern Cape, South Africa. Supervisor: Dr N Mqgatsa. Co-supervisor: Professor DM Parker (UMP).

HAND, Francis Bryan, BScHons (Rhodes), in Biotechnology, in the Biotechnology Innovation Centre. Degree by thesis. Thesis: A comparison of mitochondrial Hsp70 and Hep1 orthologues from *Trypanosoma brucei* and *Homo sapiens* with an analysis of these

structures using the AI-driven Alphafold modelling program.
Supervisor: Professor A Boshoff.

JANSE VAN RENSBURG, Lomarie Cathleen, BScHons (Pretoria), in Ichthyology, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Biological longitudinal aspects of the Kabompo River, a significant tributary of the Upper Zambezi sub-catchment, North-West Province, Zambia. Supervisor: Professor AJ Booth. Co-supervisors: Professor S Woodborne (iThemba LABS) and Dr J Pegg (SAIAB).

JEME, Alungile, BScHons (WSU), in Zoology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Source of introduced populations of *Hemidactylus mabouia* (Moreau de Jonnès, 1818) into the Eastern Cape Province and the potential spread to other South African regions. Supervisor: Professor S Edwards.

KUPA, Ramadimetse Sydil, BSc (Pretoria), BScHons (UWC) in Physics, in the Department of Physics and Electronics. Degree by thesis. Thesis: Semantic segmentation of astronomical radio images: A computer vision approach. Supervisor: Professor OM Smirnov. Co-supervisors: Dr M Atemkeng and Dr K Thorat (Pretoria).

LAHOUD, Tamlyn Ann, BScHons (Rhodes), in Mathematical Statistics, **with distinction**, in the Department of Statistics. Degree by thesis. Thesis: Enhancing the use of large-scale assessment data: Multidimensional item response theory. Supervisor: Dr F Correa.

MAGAELA, Ngwanabjala Bridged, BScHons (Rhodes), in Chemistry, **with distinction**, in the Department of Chemistry. Degree by thesis. Thesis: Photodynamic therapy using morpholine substituted porphyrins in the presence of cancer specific molecules linked to graphene quantum dots. Supervisor: Distinguished Professor T Nyokong.

MANAKA, Sinah Mokatako, BScHons (UKZN), in Physics, **with distinction**, in the Department of Physics and Electronics. Degree by

thesis. Thesis: MeerKAT observations of three high redshift galaxy clusters. Supervisor: Professor OM Smirnov. Co-supervisor: Professor G Bernardi (SKA-SA).

MTHOMBENI, Annah, BScHons (Limpopo), PG Cert (Education) (UNISA), in Ichthyology, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Distribution and conservation status assessment of the freshwater fishes in the Krom River system in the Eastern Cape Province, South Africa. Supervisor: Professor WT Kadye. Co-supervisor: Dr A Chakona (SAIAB).

MULAUDZI, Takalani Rachel, BSc (Venda), in Environmental Science, in the Department of Environmental Science. Degree by thesis. Thesis: Factors influencing the number of Non-Timber Forest Product species used at the individual, household and village levels in Vhembe, Limpopo Province, South Africa. Supervisor: Distinguished Professor CM Shackleton.

MXO, Rebecca Vuyolwethu, BSc (WSU), BScHons (NMMU) in Ichthyology, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Coastal movements and estuarine use of sub-adult and adult leervis, *Lichia amia*: results from long-term acoustic tracking. Supervisor: Dr TS Murray. Co-supervisor: Mr M Parkinson (SAIAB).

MZIMKULU-NCOYI, Nosabatha Happyness, BSc (Rhodes), BMedSciHons (UFS), in Biochemistry, in the Department of Biochemistry & Microbiology. Degree by thesis. Thesis: Expression, partial characterisation and utilisation of GH11 xylanase (Xyn2A) from *Trichoderma viride*, as an additive in monogastric animal feeds. Supervisor: Professor BI Pletschke.

NISBET, Laura Jade, BScHons (Rhodes), in Biotechnology, **with distinction**, in the Biotechnology Innovation Centre. Degree by thesis. Thesis: Selection of DNA Aptamers Against Cancer-Targeting murine Antibodies. Supervisor: Dr R Fogel. Co-supervisor: Professor JL Limson.

NOGQALA, Simnikiwe, BScHons (Rhodes), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Synthesis of heterocyclic compounds using green chemistry approaches. Supervisor: Dr X Siwe-Noundou (SMU). Co-supervisor: Professor R Klein.

NORMAN, Yondela Masande, BScHons (Rhodes), in Environmental Science, in the Department of Environmental Science. Degree by thesis. Thesis: Innovation in ecological restoration techniques: Enhancing *Portulacaria afra* survivorship in degraded arid thicket. Supervisor: Mr M Powell. Co-supervisors: Professor J Gambiza and Dr R Powell.

OPPERMAN, Alicia, BScHons (Stell), in Geology, in the Department of Geology. Degree by thesis. Thesis: Mineral paragenesis of olmiite/poldevaartite and rhodochrosite/shigaite occurrences in the Kalahari Manganese Field, and their relation to the formation of high grade manganese ore of N'Chwaning II mine, Black Rock, South Africa. Supervisor: SA Prevec.

SIBIYA, Silindile, BScHons (Rhodes), in Environmental Science, **with distinction**, in the Department of Environmental Science. Degree by thesis. Thesis: Crop fields abandonment: assessing the dynamics of degradation in relation to leverage points for sustainable land management in the Macubeni catchment, South Africa. Supervisor: Professor J Gambiza. Co-supervisor: Dr JK Clifford-Holmes (CMR)

SONGCATA, Ntobeko, BScHons (Rhodes), in Biotechnology, in the Biotechnology Innovation Centre. Degree by thesis. Thesis: The development of a low-cost real-time bacterial plate culture monitoring system. Supervisor: Professor E Prinsloo. Co-supervisor: Professor MME Mohapelo.

TRAFFORD, Bronwyn Kate, BScHons (Rhodes), in Zoology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Implications of changing land use and introducing extralimital giraffe on vegetation in the subtropical thicket, South Africa. Supervisor:

Dr N Mqatsa. Co-supervisor: Dr K Smart (SAEON).

WATKINS, Ariana Heloise Jo, BScHons (Rhodes), in Microbiology, **with distinction**, in the Department of Biochemistry and Microbiology. Degree by thesis. Thesis: Biochemical and genetic analysis of the *Mycobacterium smegmatis* CnoX Chaperedoxin. Supervisor: Dr GL Abrahams.

WORTLEY, Ross Michael, BScHons (Rhodes), in Fisheries Science, **with distinction**, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Quantifying feed intake and feeding intensity using two experimental conditions and the effect of different feeding strategies on the production parameters of South African Abalone, *Haliotis midae*. Supervisor: Professor H Kaiser.

What is graduation?

Graduation is a time of enormous celebration for students and their families. It is a time to revel in a sense of achievement, to take photographs and store memories, to applaud and, of course, to dress up with the dignity that the ceremony deserves.

Graduating students traditionally wear an academic gown that marks them as 'special' and different to others attending the ceremonies. They walk across the stage, kneel before the Chancellor, who then taps them on the head with a ceremonial hat, before proceeding to the Registrar who 'hoods' them according to the degree they have earned.

For many attending the graduation ceremonies, a key question is what all this ceremony and procedure, much of which originated in Europe hundreds of years ago, actually mean in contemporary South Africa. One way to answer this question is to focus on the graduates themselves. As students walk across the stage today, they are not the same people they were who enrolled in the University three, four or more years ago. If the University has done its job well, they are completely different people.

The graduate looks at the world with an entirely different set of eyes. They now look for evidence for what is stated and to contest anything that does not appear to them to be valid or fair on the basis of the evidence presented.

At a university like Rhodes, graduates have also been trained to look through the lenses of theory. Theory is exactly like the lenses in a pair of spectacles. It allows us to see things we would not see without the spectacles, or to see things differently. Because theory allows us to see things we would not normally see, it allows us to imagine a world which does not yet exist, a world transformed from the one we currently inhabit. These are valuable attributes in the workplace and this is why graduates are highly sought after. They are especially important, however, in a fledgling democracy like ours.

As graduates walk across the stage today and participate in rituals which do not have their roots in African soil, one way to understand the proceedings is to see them as signifying an identity shift. Much as the way young men in some cultures, for example, may wear new clothes after an initiation ceremony, the wearing of an academic gown symbolises a shift in who the graduates have become. This shift is recognised by the Chancellor who taps them on the head and by the Registrar who places the hood over their shoulders. The Deans, academics, together with the entire University community, look on - celebrating and acknowledging our students' achievements.

Enjoy the ceremony today, but, more importantly, remember its significance in the lives of our young graduates and, indeed, in the history of our country.

Amended: A contribution by Emeritus Professor Chrissie Boughey, Deputy Vice Chancellor Academic and Student Affairs, Rhodes University.

Yintoni uthweswo-zidanga?

Uthweswo-zidanga lixesha lobhiyozo elikhulu kubafundi neentsapho zabo. Lixesha lokugcoloda nokuchulumancela impumelelo, ukuthatha imifanekiso nokugcina iinkumbulo, ukuqhwabela izandla, yaye ngokuqinisekileyo, lixesha lokunxiba ngesizotha esifanele lo mnyhadala.

Kulisiko ukuba abafundi abathweswa izidanga banxibe izidanga zabo ezibaphawula ‘njengabakhethekileyo’ nabohlukileyo kwabanye abantu abazimase umnyhadala. Bahamba eqongeni, baguqe phambi kweNgqonyela, iye ibathwese indwe, phambi kokuba badlulele kuMabhalane-jikelele weYunivesithi oye ‘abafake umxwayo’, ohambelana nesidanga abasithwesiweyo.

Kuninzi lwabo bazimase iminyhadala yothweswo-zidanga, umbuzo ophambili ngowokuba lo mnyhadala, inkoliso yawo esusela eYurophu kumakhulu ngamakhulu eminyaka eyadlulayo, ingaba uthetha ntoni kuMzantsi Afrika wale mihla. Enye indlela yokuphendula lo mbuzo kukugxila kwabathweswa izidanga. Njengoko abafundi behamba kwiqonga namhlanje, abasengabo aba bantu babengabo mhla babebhalisela ukufunda kule Yunivesithi kwiminyaka emithathu, emine okanye engaphezulu eyadlulayo. Ukuba iYunivesithi iwenze ngokuphume izandla umsebenzi wayo, bangabantu abohlukileyo kwaphela.

Lowo uthweswa isidanga ulibona ihlabathi ngamehlo ohlukileyo. Ngoku ukhangela ubungqina boko kuthethwayo aze aphikise nayiphi na into ebonakala ingenasihlahla kuye okanye enetyheneba ngokuphathelele kubungqina obunikezelweyo.

Kwiyunivesithi efana neRhodes, abo bathweswa izidanga bakwaqeqeshwe ukuba bajonge izinto ngamehlo enkcazo-bungcali(theory). Inkcazo-bungcali ifana nqwa neelensi kwiintanyongo. Isinceda ukuba sibone izinto ebesingenakho ukukwazi ukuzibona ngaphandle kweentanyongo, okanye sibone izinto ngendlela eyahlukileyo. Kuba inkcazo-bungcali isincedisela ukuba sibone izinto ebesingenakho ukukwazi ukuzibona, isinceda ukuba sibe nomfanekiso-ngqondweni wehlabathi elingekabikho, ihlabathi eliguquke kakhulu kwelo siphila kulo ngoku. Ezi zizidingo ezixabisekileyo kwindawo yokuxelengela yaye kungoko abo bathweswa izidanga belangazelelwa. Babaluleke ngokukhethekileyo, ingakumbi kulawulo lwentando yesininzi efana neyethu esakhulayo.

Njengoko abo bathweswa izidanga behamba kwiqonga namhlanje yaye bethatha inxaxheba kwizithethe ezingenancambu ezikumhlaba waseAfrika, enye yeendlela zokubona ukuqhutywa kwalo mnyhadala kukubonisa inguqu ngokobuni. Oku kuyafana nokuba kwezinye iinkcubeko, umzekelo, amatyendyana anganxiba iimpahla ezintsha emva kolwaluko. Ukunxitywa kwesidanga kuphawula inguqu ekubeni lowo uthweswa isidanga uye abe ngubani na. Le nguqu iye iqinisekise yiNgqonyela eye ibabethe entloko noMabhalane-jikelele weYunivesithi oye abaxakathise. Iintloko zamasebe, iimfundimanekunye nalo lonke uluntu lweYunivesithi, bayabukela – bebhiozela bekwaqaphela impumelelo yabafundi bethu.

Yonwabela umnyhadala namhlanje, kodwa ngokubaluleke ngakumbi, khumbula ukubaluleka kwawo kumlisela nomthinjana wethu othweswa izidanga, yaye nangokwenene, ukubaluleka kwawo kwimbali yelizwe lethu.

Ilungiselelwe nguNjingalwazi uChrissie Boughey, Owayesakuba nguSekela Ngqonyela weMicimbi yezeMfundo nayaBafundi, eRhodes University.

Wat is 'n gradeplegtigheid?

'n Gradeplegtigheid is 'n tyd van feesvieringe vir studente en hulle families. Dit is 'n tyd waarin prestasie gevier, foto's geneem en herinneringe gemaak word. Dis 'n tyd vir applous en natuurlik om aan te trek na gelang van die waardigheid wat die seremonie verdien.

Studente wat gradueer dra tradisioneel 'n akademiese toga wat hulle uitwys as 'spesiaal' en anders as ander mense wat die seremonie bywoon. Hulle loop oor die verhoog, kniel voor die kanselier, wat hulle dan met 'n seremoniële hoed op die kop tik voor hulle aanbeweeg na die registrateur wat vir hulle 'n 'kap opsit' volgens die graad wat hulle verwerf het.

Vir baie mense wat die gradeplegtigheid bywoon, is daar 'n sleutelvraag rondom wat al hierdie seremonie en prosedures, waarvan die oorsprong honderde jare gelede meerendeels in Europa ontstaan het, in kontemporêre Suid-Afrika sou beteken. Een manier om die vraag te beantwoord is om te fokus op die gegradueerde self. Soos studente vandag oor die verhoog stap, is hulle nie dieselfde mense wat drie of vier jaar gelede by die universiteit ingeskryf het nie. As die universiteit hulle werk goed gedoen het, is hulle geheel en al ander mense.

Die gegradueerde kyk met 'n nuwe paar oë na die wêreld. Hulle soek nou vir bewyse vir stellings wat gemaak word en bestry enige iets wat nie vir hulle geldig of regverdigbaar is volgens die bewyse wat aangebied word nie.

By 'n universiteit soos Rhodes, is gegradueerdes ook opgelei om deur die lens van teorie te kyk. Teorie werk presies soos die lense van 'n bril. Dit skep die geleentheid om dinge te sien wat ons nie sonder die bril sou kon sien nie; of om dinge anders te sien. Aangesien teorie ons die kans gun om dinge te sien wat ons andersins nie sou kon sien nie, gee dit ons ook die geleentheid om 'n wêreld te verbeeld wat nog nie bestaan nie, 'n wêreld wat getransformeer het van die een waarin ons op die oomblik woon. Dit is waardevolle eienskappe in die werkplek en dit is waarom gegradueerdes gesog is. Hulle is veral belangrik in 'n jong demokrasie soos ons eie.

Soos wat gegradueerdes vandag oor die verhoog stap en deelneem aan rituele wat nie in Afrika gewortel is nie, is een manier om hierdie verrigtinge te begryp om dit te sien as 'n verskuiwing in identiteit. Op dieselfde manier waarop jong mans in sommige kulture nuwe klere ná 'n inisiasie-seremonie sou dra, simboliseer die dra van 'n toga 'n verskuiwing in die persoon wat die gegradueerde nou geword het. Hierdie verskuiwing word erken deur die kanselier wat hulle op die kop tik en die registrateur wat die kap oor hulle skouers plaas. Die dekane en akademië, saam met die hele universiteitsgemeenskap, aanskou dit – ter viering en erkenning van ons studente se prestasies.

Geniet vandag se seremonie, maar – belangriker nog – erken die uitsonderlike belang daarvan in die lewens van ons jong gegradueerdes en, inderdaad, in die geskiedenis van ons land.

Gewysig: 'n Bydra deur emeritus professor Chrissie Boughey, voormalige adjunk-visiekanselier akademiese en studentesake, Rhodes Universiteit.