



RHODES UNIVERSITY
IYUNIVESITHI IRHODES
RHODES UNIVERSITEIT

————— 2021 —————

VIRTUAL GRADUATION CEREMONY

UTHWESO-ZIDANGA KUMAJELO EZOBUCHWEPHESHE

VIRTUELE GRADEPLEGTIGHEID

29 October 2021

in absentia

CHANCELLOR • INGQONYELA • KANSELIER
The Hon Justice L Mpati, BA, LLB, LLD (*Honoris causa*)

VICE-CHANCELLOR • ISEKELA-NGQONYELA • VISEKANSELIER
Dr SG Mabizela, MSc, PhD

DEPUTY VICE-CHANCELLOR (ACADEMIC AND STUDENT AFFAIRS)
UMNCEDISI WESEKELANGQONYELA (IMICIMBI YEMFUNDO NEYABAFUNDI)
ADJUNK VISEKANSELIER (AKADEMIESE EN STUDENTE SAKE)
Dr M Monnapula-Mapesela, BScEd, BEd, MEd, PGDip.HE, PhD

DEPUTY VICE-CHANCELLOR (RESEARCH AND INNOVATION)
UMNCEDISI WESEKELANGQONYELA (USEKELA-NQUNUNU WEYUNIVESITHI)
ADJUNK VISEKANSELIER (NAVORSING EN INNOVASIE)
Dr PG Clayton, BSc (Hons), MSc, PhD, FICS, MCSSA, MACM

CHAIRPERSON OF COUNCIL • USIHLALO WEBHUNGA • VOORSITTER VAN DIE RAAD
Judge G Bloem, BA, STD, LLB

PRESIDENT OF CONVOCATION • UMONGAMELI WENTLANGANO YEYUNIVESITHI
PRESIDENT VAN DIE KONVOKASIE
Dr M Ruiters, BAJ, MA, MCom, PhD

DEANS • IINTLOKO ZEEFAKHALTHI • DEKANE

Professor E Msindo, BA, MPhil, PhD

Professor AJ Booth, BSc, BSc (Hons), PhD

Professor LO Juma, LLB, Dip.Law, LLM, MA, LLD

Professor E Rosenberg, BMedSc, BMedSc (Hons), MMedSc, BA (Hons), MEd, PhD

Professor DA Sewry, BSc, BSc (Hons), MSc, PhD, FICSIT, MCSSA, MAIS

Professor SMM Khamanga, BSc, BPharm, MSc (Pharm), PhD

Dean of the Faculty of Humanities

Dean of the Faculty of Science

Dean of the Faculty of Law

Dean of the Faculty of Education

Dean of the Faculty of Commerce

Dean of the Faculty of Pharmacy

REGISTRAR • UMGCINI-ZINGXELO ZEYUNIVESITHI • REGISTRATEUR
Professor AL Moody, BA, HDE, BEd, MEd, MBA, DEd

ORDER OF PROCEEDINGS

(virtual graduation ceremony)

The Chancellor will constitute the Congregation.

The Vice-Chancellor will welcome the Congregation.

The Chancellor will confer degrees *in absentia*.

Honorary Doctorate **Mrs Noxolo Grootboom**
Degree of Doctor of Letters, *Honoris Causa*.

Honorary Doctorate **Professor Salim Abdool Karim**
Degree of Doctor of Science, *Honoris Causa*.

The Chancellor will dissolve the Congregation.

INKQUBO

(Uthweso-zidanga kumajelo ezobuchwepheshe)

UNgqonyela umisela iNgqungquthela.

USEkelangqonyela wamkela iNgqungquthela.

UNgqonyela unikezela ngezidanga kubaninizo *abangekhoyo* phambi kwakhe.

UNkosikazi Noxolo Grootboom uwongwa ngesiDanga sobuGqirhalwazi sembeko kwezoNcwadi, *Honoris Causa*.

UNjingalwazi Salim Abdool Karim uwongwa ngesiDanga sobuGqirhalwazi sembeko kwezeNzululwazi, *Honoris Causa*.

UNgqonyela uvala iNgqungquthela.

VOLGORDE VAN VERRIGTINGE

(virtuele gradeplegtigheid)

Die Kanselier sal die vergadering tot orde roep.

Die Vise-Kanselier sal die vergadering verwelkom.

Die Kanselier sal grade *in absentia* toeken.

Eredoktoraat **Mev Noxolo Grootboom**
Doktorsgraad in die Lettere, *Honoris Causa*.

Eredoktoraat **Professor Salim Abdool Karim**
Doktorsgraad in die Wetenskappe, *Honoris Causa*.

Die Kanselier sal die vergadering verdaag.

FACULTY OF PHARMACY

DEGREE OF MASTER OF PHARMACY

BECKER, Jo-Anne Jane, BPharm (WITS), in Clinical Pharmacy, **with distinction**, in the Faculty of Pharmacy. Supervisor: Professor BJ Wilson.

DEGREE OF MASTER OF SCIENCE (PHARMACY)

DAYA, Misha, BPharm (Rhodes), in Pharmaceutics, **with distinction**, in the Faculty of Pharmacy. Degree by thesis. Thesis: The development, formulation and characterisation of sustained-release minoxidil-loaded nanostructured lipid carriers for topical delivery. Supervisor: Professor SMM Khamanga. Co-supervisor: Professor RB Walker.

FEKA, Cedric Nyahchong, BSc, BPharm (Rhodes), in Pharmaceutics, in the Faculty of Pharmacy. Degree by thesis. Thesis: An analysis of the medicines regulatory environment in Sub-Saharan Africa and the African medicines regulatory harmonization initiative. Supervisor: Professor SMM Khamanga.

GERWEL, Tiaan Marc, BPharm (Rhodes), in Pharmaceutical Chemistry, in the Faculty of Pharmacy. Degree by thesis. Thesis: Identification of potential inhibitors of the folate biosynthesis enzymes HPPK of *Salmonella enterica* and *Escherichia coli* and pteridine reductase of *Trypanosoma brucei* through molecular docking and enzyme assays. Supervisor: Professor H Hoppe. Co-supervisor: Dr C Veale (UKZN).

MANO, Tanaka, BPharm (Rhodes), in Pharmaceutics, in the Faculty of Pharmacy. Degree by thesis. Thesis: Formulation and development of lamotrigine liquid loaded self-emulsifying micro-emulsion. Supervisor: Professor SMM Khamanga. Co-supervisor: Professor RB Walker.

MAZONDE, Priveledge, BPharm (Rhodes), in Pharmaceutics, **with distinction**, in the Faculty of Pharmacy. Degree by thesis. Thesis:

A self-emulsifying delivery system loaded with efavirenz: The case for flax-seed oil. Supervisor: Professor RB Walker. Co-supervisor: Professor SMM Khamanga.

FACULTY OF COMMERCE

DEGREE OF MASTER OF BUSINESS ADMINISTRATION

BISCHOFF, Olivia Edjegayhu, BSocSciHons (Rhodes), in Business Administration, in the Rhodes Business School. Degree by coursework and thesis. Thesis: An analysis of talent management practices of recently hired employees from the perspective of the psychological contract. Supervisor: Professor NJ Pearse.

GIOVANNONI, Amalio Dino John, BSc (Wits), MSc (UCT), in Business Administration, **with distinction**, in the Rhodes Business School. Degree by coursework and thesis. Thesis: Simulating the economic impact emerging from the strategic decision-making of firms: A macroeconomic Agent-Based Model. Supervisor: Mr EP Knoesen.

MOTHABINE, Thabe, BML (UFS), PG Dip (Bus Admin) (UFS), in Business Administration, in the Rhodes Business School. Degree by coursework and thesis. Thesis: The relationship between Business Model description and Financial Performance of selected South African Banks. Supervisor: Professor FO Skae.

PEEL, Brendon Robert, BA, PG Dip (Enterprise Management) (Rhodes), in Business Administration, in the Rhodes Business School. Degree by coursework and thesis. Thesis: A quantitative analysis of the relationship between the 12 components of the Index of Economic Freedom (IEF) and the Human Development Index (HDI) scores within the 16 Southern African Development Community (SADC) nations. Supervisor: Mr EP Knoesen.

RODGERSON, Jeffrey David, BSportSci (UP), BAHons (Unisa), PG Dip (Enterprise Management) (Rhodes), in Business Administration, in the Rhodes Business School. Degree by coursework and thesis. Thesis:

A qualitative analysis of the formation and maintenance of the Franchisee/Franchisor relationship. Supervisor: Professor NJ Pearse.

DEGREE OF MASTER OF COMMERCE

DU PREEZ, Wilhelmus Petrus, BComHons (Rhodes), in Financial Markets, in the Department of Economics and Economic History. Degree by coursework and thesis. Thesis: The Asset 38/4 Price Monetary Transmission Mechanism in South Africa. Supervisor: Professor H Nel. Co-supervisor: Mr DV Tarentaal.

MLOTSHWA, Minenhle Petronella, BComHons (Rhodes), in Management, in the Department of Management. Degree by thesis. Thesis: Employee Views on organisational effectiveness of two Chinese organisations operating in Kenya. Supervisor: Mr MJ Louw. Co-supervisor: Professor L Louw.

MOSHIKARO, Kei Felia Kgaogelo, BAccSc (Unisa), in Economics, in the Department of Economics and Economic History. Degree by thesis. Thesis: The impact of BBB-EE in reducing wealth inequality in South Africa: A case study of the Banking Sector. Supervisor: Professor GR Keeton. Co-supervisor: Professor J Arendse.

OWEN, Michael Robert, BComHons (Rhodes), in Financial Markets, in the Department of Economics and Economic History. Degree by coursework and thesis. Thesis: Investigating the existence of an inverse-U relationship between financialisation and investment: South Africa's stock market capitalisation in comparative perspective. Supervisor: Mr DCA Fryer.

POMUTI, Esther Kaulinawa, BEcoHons (Namibia), Dip (Bus Admin) (Amity), in Financial Markets, in the Department of Economics and Economic History. Degree by coursework and thesis. Thesis: The Relationship between Capital Adequacy and Profitability under Basel III in the Namibian Banking System. Supervisor: Mr S Jobo. Co-supervisor: Dr SA Khumalo.

THEUNISSEN, Kristen Emma, BScHons (Rhodes), in Information Systems, in the Department of Information Systems. Degree by thesis. Thesis: A Guide for the use of Tablet PCs for Teaching and Learning Activities for in classroom and distance learning in South African Schools. Supervisor: Dr IG Siebörger.

DEGREE OF MASTER OF ECONOMICS

MARRINER, James Derek, BEcoHons (Rhodes), in Economics, in the Department of Economics and Economic History. Degree by thesis. Thesis: The economic valuation of ecosystem services using deliberation as a tool for value elicitation. Supervisor: Professor GCG Fraser. Co-supervisor: Professor JD Snowball.

MASON, Brett Anthony, BEcoHons (Rhodes), in Economics, in the Department of Economics and Economic History. Degree by thesis. Thesis: An evaluation of the socio-economic costs & benefits of the invasive *Rubus* (Blackberry/Bramble) genus species at selected sites in South Africa. Supervisor: Professor GCG Fraser. Co-supervisors: Dr GD Martin and Dr C Zachariades (ARC).

FACULTY OF EDUCATION

DEGREE OF MASTER OF EDUCATION

ASHIPALA, Helena Taakondjo, BEdHons (Rhodes), in Environmental Education, in the Department of Education. Degree by coursework and thesis. Thesis: Opportunities for environmental education in the Geography Grade 11-12 curriculum. Supervisor: Professor RB O'Donoghue.

DAVID, Johannes, BEdHons (Rhodes), in Mathematics Education, in the Department of Education. Degree by thesis. Thesis: An evaluation of the impact of the Rhodes University Master of Education in Mathematics Education programme in Namibia from the perspectives of its graduates. Supervisor: Professor M Schäfer. Co-supervisor: Professor PD Wilmot.

DLOVA, Lisoletu, BPharm (Rhodes), in Education, in the Centre for Higher Education Research, Teaching and Learning. Degree by thesis. Thesis: Ethics matter: A critical realist account of research ethics in a South African Higher Education context for social science and humanities researchers. Supervisor: Professor E Rosenberg. Co-supervisor: Professor L Olvitt.

ELIFAS, Taimi Ndinelago, BEdHons (Namibia), in Mathematics Education, **with distinction**, in the Department of Education. Degree by thesis. Thesis: Re-imagining the use of the Abacus as a visualisation tool to develop number sense in Grade 3 learners. Supervisor: Dr C Chikiwa. Co-supervisor: Professor M Schäfer.

FULLARD, Donavan, BEd (UWC), in Environmental Education, **with distinction**, in the Department of Education. Degree by coursework and thesis. Thesis: A case study of lessons learned through empowering and mobilizing unemployed youth into sustainable green jobs within the SANBI – Groen Sebenza partnership programme by a host institution in South Africa. Supervisor: Distinguished Professor H Lotz-Sisitka.

HAIPINGE, David Tuhafeni, BEdHons (NWU), in Mathematics Education, **with distinction**, in the Department of Education. Degree by thesis. Thesis: An analysis of selected Grade 8 Mathematics teachers' use of gestures as visualisation tools to support mathematical meaning-making. Supervisor: Professor M Schäfer.

KAMBEYO, Reginald Ndeshipanda, Dip SciEdu (Zimbabwe), Dip Edu MASTEP (Namibia), BEdHons (NWU), in Science Education, in the Department of Education. Degree by thesis. Thesis: Exploring how Grade 11 Chemistry teachers make use of the Periodic Table of Elements when mediating learning of Writing and Balancing of Chemical Equations. Supervisor: Professor K Ngcoza.

KHUHLANE, Nozuko Heide, BCom, BEdHons, PG Cert. (Education) (Rhodes), in Education, in the Department of Education. Degree by thesis. Thesis: Curriculum adjustment and adaptive leadership in two

Service-Learning courses at Rhodes University as a consequence of the COVID-19 pandemic. Supervisor: Professor C Grant. Co-supervisor: Dr F Kajee.

MAQWELANE, Lwanda, BSocSciHons (Rhodes), in Environmental Education, in the Department of Education. Degree by thesis. Thesis: Towards reconfiguring the Agricultural Expert System (AES) for black small to medium farmer development for commercialization: A progressively focused policy literature review and social learning dialogue in the Eastern Cape Raymond Mhlaba Local Municipality. Supervisor: Distinguished Professor H Lotz-Sisitka.

MATENGU, Ernest Samubu, BEdHons (Rhodes), in Education, in the Department of Education. Degree by thesis. Thesis: Scaffolding argumentative writing through Reading to Learn pedagogy: A case study of 3 Grade 11 English Second Language Teachers in Namibia Supervisor: Dr R Mawela.

MKAZA, Mcebisi, BEdHons (Rhodes), in Environmental Education, in the Department of Education. Degree by thesis. Thesis: An investigation into the extent to which Grade 12 Mechanical Technology Curriculum Practices relate to the Green Economy: A case study of two Eastern Cape Technical High Schools. Supervisor: Professor L Olvitt. Co-supervisor: Professor E Rosenberg.

MPONWANA, Oupa William, BScHons (Rhodes), in Environmental Education, **with distinction**, in the Department of Education. Degree by thesis. Thesis: Nurturing an identity of custodianship of young people through a biodiversity learning programme: The Moletele Youth Learning Programme. Supervisor: Distinguished Professor H Lotz-Sisitka.

MUSIYIWA, Fungayi Lona, Cert. (Education), BEdHons (Rhodes), in Environmental Education, in the Department of Education. Degree by thesis. Thesis: A sustainability practices educational intervention in response to environmental matters of concern amongst Makhanda youths. Supervisor: Professor I Schudel.

NGHIDINWA, Lavinia Tangi-Jehova, BEdHons (NWU), in Mathematics Education, in the Department of Education. Degree by thesis. Thesis: Exploring visual probability teaching strategies for enhancing mathematical thinking in Grade 11 classes. Supervisor: Dr C Chikiwa. Co-supervisor: Professor M Schäfer.

NUNTSU, Siphon Nimrod, BEdHons (Rhodes), in Science Education, **with distinction**, in the Department of Education. Degree by thesis. Thesis: Mobilising stories about cultural beliefs and practices on traditional foods to contextualise the topic on nutrition in a Grade 6 township class. Supervisor: Professor K Ngcoza. Co-supervisor: Dr Z Nhase.

NYAMAKUTI, Martha Ndeyatila, BEdHons (Rhodes), in Science Education, **with distinction**, in the Department of Education. Degree by thesis. Thesis: Exploring the effect of the indigenous technology of oil extraction on Grade 10 Biology learners' perspectives and sense making of enzymes. Supervisor: Professor K Ngcoza. Co-supervisor: Dr Z Nhase.

RAMPHINWA, Azwindini Edson, BEnvSci (Venda), PGDipHE (UFH), in Environmental Education, in the Department of Education. Degree by thesis. Thesis: Sustainability focus in water management and curriculum practices in an agricultural college: A case study of Fort Cox Agriculture and Forestry Training Institute. Supervisor: Professor E Rosenberg. Co-supervisor: Distinguished Professor H Lotz-Sisitka.

SHILONGO, Wilhelm Nghidiputate, BEdHons (Rhodes), in Science Education, in the Department of Education. Degree by thesis. Thesis: Exploring affordances and hindrances when using Grade 8 Physical Science learners' home language to mediate learning of chemical bonding. Supervisor: Professor K Ngcoza.

SIBANDA, Sikhumbuzo, BEdHons (UJ), in English Language Teaching, in the Institute for the Study of English in Africa. Degree by thesis. Thesis: An exploration of how teachers interpret and use the

Language in Education Policy in their classroom practice: a case study.
Supervisor: Dr R Mawela.

FACULTY OF LAW

DEGREE OF MASTER OF LAWS

NDEMERA, Tinotenda James, BSocSci, LLB (Rhodes), **with distinction**, in the Faculty of Law. Degree by thesis. Thesis: International criminal court failing at the first hurdle: A critical analysis of the challenges inherent in the witness protection measures under The Rome Statute. Supervisor: Professor LO Juma.

NHEMACHENA, Tichakunda Charles, BA, LLB (Rhodes), in the Faculty of Law. Degree by thesis. Thesis: A critical assessment of the relationship between the World Trade Organisation and the African Continental Free Trade Area (AfCFTA) Dispute Settlement Mechanisms, in light of the conflict of jurisdiction. Supervisor: Professor LO Juma. Co-supervisor: Mr C Vidal (ACWL).

QUILLIAM, Layne Edwin, LLB (UJ), in the Faculty of Law. Degree by thesis. Thesis: The factors to be considered by the competition authorities when a fine may cause the firm to exit. Supervisor: Advocate CA Renaud.

FACULTY OF SCIENCE

DEGREE OF MASTER OF SCIENCE

ABRAHAM, Benjamin Melakail, BScHons (Rhodes), in Biochemistry, in the Department of Biochemistry & Microbiology. Degree by thesis. Thesis: Making sense of an aquaponics holobiont through a genomic and metabolomic Lens. Supervisor: Professor BS Wilhelmi. Co-supervisor: Professor R Tandlich.

BANI, Siphumze, BScHons, PG Cert. (Education) (Rhodes), in Biotechnology, **with distinction**, in the Biotechnology Innovation

Centre. Degree by thesis. Thesis: Potential of gravel filter towers, pilot-scale filter system and biochar/clay adsorbents for bio-physicochemical remediation and desalination of greywater. Supervisor: Professor R Tandlich. Co-supervisor: Professor JL Limson.

BARKER, Cassandra, BScHons (Rhodes), in Marine Biology, in the Department of Zoology & Entomology. Degree by thesis. Thesis: Geographic stability in the phylogeography of the brown mussel, *Perna perna*, on the South African coastline. Supervisor: Distinguished Professor CD McQuaid. Co-supervisors: Dr S Edwards and Dr GI Zardi (CCMAR Portugal).

BARNARD, Devon Vernon, BSocSciHons (Rhodes), in Human Kinetics & Ergonomics, in the Department of Human Kinetics and Ergonomics. Degree by thesis. Thesis: Coaches perspective on the positional demands of school boy (u18/u19) rugby players during a 70-minute match. Supervisor: Professor CJ Christie.

BARWICK, Matthew William, BScHons (Rhodes), in Biotechnology, in the Biotechnology Innovation Centre. Degree by thesis. Thesis: Modification of gelatin-methacrylate, hyaluronic-methacrylate and poly(ethylene) glycol diacrylate hydrogel bioinks towards the additive manufacturing of articular cartilage. Supervisor: Professor E Prinsloo.

BOPAPE, Tebadi Mamadiga, BScHons (Rhodes), in Botany, in the Department of Botany. Degree by thesis. Thesis: Evaluating the physiological, morphological and nutritional effects of elevated atmospheric CO₂ and drought on select South African maize cultivars. Supervisor: Professor BS Ripley. Co-supervisor: Professor S Vetter.

CRONJÉ, Gerhard Roets, BComHons (UJ), in Computer Science, in the Department of Computer Science. Degree by coursework and thesis. Thesis: A decision-making model to guide securing blockchain deployments. Supervisor: Dr A Herbert. Co-supervisor: Professor BW Irwin

DAUB, Chantal Désirée, BScHons (Rhodes), in Biochemistry, **with distinction**, in the Department of Biochemistry & Microbiology. Degree by thesis. Thesis: South African brown seaweeds with anti-diabetic relevance: Isolation, characterisation and bioactivity screening of their bioactive polysaccharides. Supervisor: Professor BI Pletschke. Co-supervisor: Professor AL Edkins.

DINGISWAYO, Somila, BScHons (Rhodes), in Chemistry, **with distinction**, in the Department of Chemistry. Degree by thesis. Thesis: The synthesis and characterisation of Sn(IV) porphyrin derivatives and their potential application in anti-cancer and antimicrobial photodynamic therapy. Supervisor: Professor J Mack. Co-supervisor: Distinguished Professor T Nyokong.

DLANGAMANDLA, Olwethu, BScHons, PG Cert. (Education) (Rhodes), in Mathematical Statistics, in the Department of Statistics. Degree by thesis. Thesis: A modelling approach to the analysis of complex survey data. Supervisor: Dr A Chinomona. Co-supervisor: Mr JS Baxter.

EGGERS, Jessica Marguerite, BScHons (Rhodes), in Fisheries Science, **with distinction**, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Quantifying the ecological and socio-economic implications of a recovery/collapse of South Africa's West Coast Rock Lobster fishery. Supervisor: Professor KL Cochrane. Co-supervisor: Professor WHH Sauer.

EVLAMBIOU, Anthony Andreas, BScHons (NMMU), in Zoology, in the Department of Zoology & Entomology. Degree by thesis. Thesis: An evolutionary study of legless skinks' (*Acontias* Cuvier, 1817) head and vertebrae morphology, with specific focus on the impact of soil types. Supervisor: Dr S Edwards. Co-supervisor: Mr W Conradie (Port Elizabeth Museum).

EZEKIEL, Charles Izuchukwu, BScHons (Abia State), in Chemistry, **with distinction**, in the Department of Chemistry. Degree by thesis.

Thesis: Echogenic Liposomes for ultrasound-triggered drug delivery.
Supervisor: Professor RWM Krause.

FOSTER, Ryan Matthew, BScHons (Rhodes), in Fisheries Science, **with distinction**, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: A biological assessment of the Cape knifejaw (*Oplegnathus conwayi*) an endemic South African teleost.
Supervisor: Professor WM Potts. Co-supervisor: Dr A-R Childs.

HAKATA, Jonathan, BScHons (Bindura University of Science Education), in Applied Mathematics, **with distinction**, in the Department of Mathematics. Degree by thesis. Thesis: Numerical evolution of plane gravitational waves. Supervisor: Professor D Pollney. Co-supervisor: Dr C Stevens.

HARTLEY, Shaun Neil, BScHons (Rhodes), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Green Synthesis of HIV-1 Protease Inhibitors. Supervisor: Professor R Klein.

HUNDLING, Jethro Daniel, BScHons (Rhodes), in Biotechnology, **with distinction**, in the Biotechnology Innovation Centre. Degree by thesis. Thesis: Development of a 3D bioprinting and standalone bioreactor unit for the production and maintenance of bioscaffolds in vitro. Supervisor: Professor E Prinsloo.

JOSEPH, Otto, BSc (Stell), BScHons (Rhodes), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Nonlinear Optical Properties of Metal Free Thio Alkyl and Tert butyl Phenoxy Phthalocyanine. Supervisor: Professor MS Khene. Co-supervisors: Dr J Britton and Professor R Klein.

KENYON, Thomas, BScHons (Rhodes), in Bioinformatics, **with distinction**, in the Department of Biochemistry and Microbiology. Degree by coursework and thesis. Thesis: *In silico* identification of natural inhibitory compounds against the *Mycobacterium tuberculosis* enzyme pyrazinamidase using high-throughput virtual screening techniques. Supervisor: Professor O Tastan Bishop.

KHARIVHA, Tshililo, BEHERM (Venda), in Environmental Science, **with distinction**, in the Department of Environmental Science. Degree by thesis. Thesis: Effects of elevated temperature, rainfall and soil nutrient on *Acacia mearnsii* invasion. Supervisor: Dr S Ruwanza. Co-supervisor: Professor G Thondhlana.

KIRIGIN, Elisa, BScHons (Rhodes), in Biochemistry, **with distinction**, in the Department of Biochemistry and Microbiology. Degree by thesis. Thesis: Hop-mediated alteration of cellular metabolism in KSHV infection. Supervisor: Professor AL Edkins.

LEGODI, Portia Potasi, BSc (Limpopo), BScHons (UCT), in Physics, **with distinction**, in the Department of Physics and Electronics. Degree by thesis. Thesis: MeerKAT's view of Abell S1063. Supervisor: Professor I Heywood (Oxford). Co-supervisor: Professor OM Smirnov.

LIPALI, Molopo Johannes, BScHons (Rhodes), in Biotechnology, **with distinction**, in the Biotechnology Innovation Centre. Degree by thesis. Thesis: The influence of selected classes of surfactants on microbial fuel cell performance: Extensive analysis of microbial activity, bioremediation and power generation for wastewater treatment. Supervisor: Dr R Fogel. Co-supervisor: Professor JL Limson.

LIVERSAGE-QUINLAN, William Peter, BAHons (Rhodes), in Water Resource Science, in the Institute for Water Research. Degree by thesis. Thesis: In a novel landscape, in the Eastern Cape, South Africa, what are the key vegetation resources that affect livestock production? Supervisor: Professor CG Palmer. Co-supervisor: Professor A Palmer.

MAHOMED, Uzayr, BScHons (Stell), in Geology, in the Department of Geology. Degree by thesis. Thesis: Characterisation of the ultramafic and carbonatite components of the Schiel alkaline complex in the Limpopo Province of South Africa. Supervisor: Professor RE Harmer.

MAKALIMA, Gwiba Hlonela, BScHons (Rhodes), in Chemistry, **with distinction**, in the Department of Chemistry. Degree by thesis. Thesis:

Synthesis and antiparasitic activity of hybrid compounds based on quinoline and thiosemicarbazone pharmacophoric Units. Supervisor: Professor SD Khanye. Co-supervisor: Dr EM Guantal (Nairobi).

MANDONDO, Natasha Luleka, BSocSciHons (Rhodes), in Human Kinetics & Ergonomics, in the Department of Human Kinetics and Ergonomics. Degree by thesis. Thesis: Characterising the Sleep-Wake behaviour of adolescents in a sample of South African high school students in Makhanda, Eastern Cape. Supervisor: Dr JP Davy. Co-supervisor: Dr S Zschernack.

MAPHOLI, Thendo, BScHons (UFS), in Exploration Geology, in the Department of Geology. Degree by coursework and thesis. Thesis: A mineralogical study of phosphate mineralisation in the Nkombwa Hill carbonatite. Supervisor: Professor RE Harmer. Co-supervisor: Professor B Yabas. (Free State).

MAPHOTO, Tidimalo Mary Anne, BScHons (Rhodes), in Geography, in the Department of Geography. Degree by thesis. Thesis: Spatial analysis of the impact of human activities on the marine environment in Algoa Bay, South Africa. Supervisor: Ms G McGregor. Co-supervisor: Dr B Snow (NMU).

MBUNGE, Mihlali, BScHons (Rhodes), in Bioinformatics, in the Department of Biochemistry and Microbiology. Degree by coursework and thesis. Thesis: Covalent Inhibition of the SARS-CoV-2 main protease: Computational screening of protease activity against custom acrylamide warhead libraries. Supervisor: Professor KA Lobb.

MCLAUGHLIN, Claire, BScHons (Rhodes), in Microbiology, **with distinction**, in the Department of Biochemistry and Microbiology. Degree by thesis. Thesis: The *de novo* biosynthesis of biotin is required for the optimal growth of *Salmonella enterica* serovar Typhimurium in the intracellular environment. Supervisor: Dr G Abrahams.

MGIBANTAKA, Aviwe Sihle, BSc (Kilimanjaro Christian Medical University College), in Human Kinetics & Ergonomics, **with**

distinction, in the Department of Human Kinetics and Ergonomics. Degree by thesis. Thesis: An ergonomics study of orthotics and prosthetics workshops in the Eastern Cape of South Africa. Supervisor: Ms MC Mattison.

MNCIVA, Siyasanga Tracy, BSc (WSU), BScHons (UFH), in Entomology, **with distinction**, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Enhancement of *Megamelus scutellaris* Berg (Hemiptera: Delphacidae) by naturally occurring phytopathogens for biological control of *Pontederia crassipes* (C. Mart) Solms (Pontederiaceae) in South Africa. Supervisor: Professor JA Coetzee. Co-supervisor: Dr C Coombes.

MPOFU, Trisha Lerato, BScHons (Rhodes), in Biotechnology, **with distinction**, in the Biotechnology Innovation Centre. Degree by thesis. Thesis: Investigation of microbial fuel cell technologies for flexible, small-scale domestic and educational use. Supervisor: Professor JL Limson. Co-supervisor: Dr R Fogel.

NCUBE, Tyron, BScHons (MSU), in Computer Science, in the Department of Computer Science. Degree by thesis. Thesis: Peer-to-Peer energy trading system using IoT and a low-computation blockchain network. Supervisor: Professor N Dlodlo. Co-supervisor: Professor A Terzoli.

NTLAHLA, Mbalentle Apelele Wiseman, BScHons (Rhodes), in Computer Science, in the Department of Computer Science. Degree by thesis. Thesis: Improved concurrent Java processes. Supervisor: Professor GC Wells.

OJO, Dupe Ruth, BScHons (Rhodes), in Biotechnology, **with distinction**, in the Biotechnology Innovation Centre. Degree by thesis. Thesis: Fabrication of gold-nanoparticle/conductive polymer composite materials: Application to aptamer-based impedimetric biosensors for detection of histamine. Supervisor: Professor JL Limson. Co-supervisor: Dr R Fogel.

PAKATI, Sibuyisele Sweetness, BScHons (UWC), in Geography, **with distinction**, in the Department of Geography. Degree by thesis. Thesis: Investigation of sediment buffering function of the Gatberg Floodplain Wetland in the upper Tsitsa River Catchment, South Africa. Supervisor: Dr B van der Waal. Co-supervisor: Dr S Grenfell (Stellenbosch) and Dr J Tanner.

PARSONS, Wendy Jennifer, BSc (Rhodes), BScHons (Unisa), in Geography, in the Department of Geography. Degree by thesis. Thesis: Understanding human-wildlife conflict: A geographic study of the Pringle Bay chacma baboon troop. Supervisor: Ms G McGregor.

PEACH, Schalk Willem, BSc (UFS), in Computer Science, **with distinction**, in the Department of Computer Science. Degree by thesis. Thesis: Remote fidelity of container-based network emulators. Supervisor: Professor BVW Irwin. Co-supervisor: Dr R van Heerden (CSIR).

PHILLIPS, Moraea Megan Taberer, BSc (Barcelona), in Marine Biology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Role of the Amathole Marine Protected Area in protecting vulnerable and threatened reef fish. Supervisor: Dr A Bernard (SAIAB). Co-supervisor: Dr E Heyns-Veal (KwaZulu-Natal Museum).

PIPILE, Yamnkelani Yonela, BScHons (Rhodes), in Computer Science, in the Department of Computer Science. Degree by thesis. Thesis: Building the field component of a smart irrigation system: The detailed experience of a Computer Science graduate. Supervisor: Professor A Terzoli. Co-supervisor: Professor N Dlodlo.

PRINGLE, Brett Andrew, BScHons (Rhodes), in Ichthyology, **with distinction**, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Physiological winners and losers in an ocean warming hotspot: A case study on *Argyrosomus* off the Namibian coast, with implications for their future management. Supervisor: Professor

WM Potts. Co-supervisors: Dr M Duncan (Stanford Woods Institute for the Environment) and Dr A Winkler.

PRINSLOO, Samantha Lee, BScHons (Rhodes), in Entomology, **with distinction**, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Potential synergism between entomopathogenic fungi and entomopathogenic nematodes for the control of false codling moth (*Thaumatotibia leucotreta*). Supervisor: Distinguished Professor MP Hill. Co-supervisors: Dr C Coombes and Professor SD Moore (CRI).

ROGERS, Daniel James, BScHons (Rhodes), in Entomology, **with distinction**, in the Department of Zoology and Entomology. Degree by thesis. Thesis: The tuber-feeding weevil *Listronotus frontalis* as a candidate biological control agent for the invasive semi-aquatic plant *Sagittaria platyphylla* within South Africa. Supervisor: Dr GD Martin. Co-supervisor: Professor JA Coetzee.

SALGADO ASTUDILLO, Sara Elizabeth, BSc (Zamorano), in Entomology, **with distinction**, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Evaluation of *Megabruchidius tonkineus* (Coleoptera: Chrysomelidae: Bruchinae), a candidate biological control agent for *Gleditsia triacanthos* L. (Fabaceae) in South Africa. Supervisor: Dr GD Martin. Co-supervisor: Distinguished Professor MP Hill.

SCHMELDT, Graeme Alvin, BScHons (Rhodes), in Geology, in the Department of Geology. Degree by thesis. Thesis: The petrogenesis of the Swartoup Pluton, central Namaqua Belt, South Africa. Supervisor: Professor SH Büttner. Co-supervisor: Professor S Prevec.

SMITH, Galad Gilbert, BScHons (Rhodes), in Biotechnology, **with distinction**, in the Biotechnology Innovation Centre. Degree by thesis. Thesis: Photosynthetic microbial fuel cells and fabricated photobioreactors applied with halotolerant microorganisms for nutrient and metal remediation under adverse hypersaline conditions. Supervisor: Professor JL Limson. Co-supervisor: Dr R Fogel.

STADLER, Cindy, BTech (NMMU), in Zoology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: African wildcats on unprotected land in the Northern Cape, South Africa: Potential prey and conflict status. Supervisor: Professor DM Parker. Co-supervisor: Dr J Comley.

TALMA, Sheena Claudia Aisa Lydie, BScHons (Rhodes), in Ichthyology, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Genetic diversity and population structure of an iconic recreational fishery species *Albula glossodonta* from the southwestern Indian Ocean. Supervisor: Professor P Cowley (SAIAB). Co-supervisor: Dr J Glass.

TAYLOR, Bianca Rose, BScHons (Rhodes), in Biotechnology, **with distinction**, in the Biotechnology Innovation Centre. Degree by thesis. Thesis: Characterization of fluorescently-labelled *Plasmodium* lactate dehydrogenase-binding aptamers for the detection and speciation of malarial infections. Supervisor: Dr R Fogel. Co-supervisor: Professor JL Limson.

TSHENKENG, Keamogetse Tebogo Charlotte, BScHons (Rhodes), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Design of pH sensitive electrochemical sensor for catecholamine neurotransmitters detection and screening of ascorbic acid. Supervisor: Professor PN Mashazi.

VAN STADEN, Jefferson Luke, BScHons (Rhodes), in Fisheries Science, **with distinction**, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Settlement and metamorphosis in the veliger larvae of the South African abalone *Haliotis midae* exposed to ambient grown biofilms treated with conspecific mucous. Supervisor: Professor H Kaiser. Co-supervisor: Professor CLW Jones.

WOOLF, Alexander Robert, BScHons (Rhodes), in Biochemistry, in the Department of Biochemistry and Microbiology. Degree by thesis. Thesis: Exploring the use of Arf GTPase regulators and effectors in

distinguishing between Arf1 and Arf6 in vitro. Supervisor: Professor H Hoppe.

XHANTI, Sinxolo, BScHons (Rhodes), in Applied Mathematics, in the Department of Mathematics. Degree by thesis. Thesis: On the Wiener index of bicyclic graphs and graphs with fixed segment sequence. Supervisor: Dr EOD Andriantiana.

XOXO, Beauten Sinetemba, BScHons (Rhodes), in Water Resource Science, in the Institute for Water Research. Degree by thesis. Thesis: Understanding ecological infrastructure role and benefit for drought mitigation in upstream rural South African catchments (Cacadu catchment as case site). Supervisor: Dr S Mantel. Co-supervisors: Dr A de Vos and Dr J Tanner.

ZIMMERMANN, Sharnaé Vanessa, BScHons (Rhodes), in Human Kinetics & Ergonomics, in the Department of Human Kinetics and Ergonomics. Degree by thesis. Thesis: Prevalence of sedentary behaviour and physical inactivity of Transnet employees and an investigation into other lifestyle behaviours: Impact on workplace productivity and absenteeism. Supervisor: Professor CJ Christie.

FACULTY OF HUMANITIES

DEGREE OF MASTER OF ARTS

AKRAM, Tahzeeb, BAHons (Rhodes), in English, in the Department of Literary Studies in English. Degree by thesis. Thesis: “Un-silencing Queer Nigeria”: Representations of Queerness in Contemporary Nigerian Fiction. Supervisor: Professor L Spencer.

BALOYI, Karabo, BJourn (Rhodes), in Journalism & Media Studies, in the School of Journalism and Media Studies. Degree by coursework and thesis. Thesis: Whistles and cell phones: Exploring the sociality and communicative ecology of the Enkanini informal settlement in Makhanda. Supervisor: Professor LN Strelitz. Co-supervisor: Professor L Steenveld.

BATUBENGA DAVID-ROGER, Ndaye, BAHons (UJ), in French, in the School of Languages and Literatures. Degree by thesis. Thesis: L'analyse du Panafricanisme dans la littérature africaine d'expression française: étude des Soleils des Indépendances d'Ahmadou Kourouma. Supervisor: Professor AN Mukenge.

CHIWOTA, Elijah, BAHons (Zimbabwe), in Journalism & Media Studies, in the School of Journalism and Media Studies. Degree by coursework and thesis. Thesis: An inquiry into how Inter Press Service Africa makes news from the Global South. Supervisor: Professor AC Garman.

DU TOIT, Maé, BAHons (Stell), in Clinical Psychology, in the Department of Psychology. Degree by coursework and thesis. Thesis: Academic distress and disordered eating in students during the Covid-19 Pandemic: A cross-sectional study at a South African university. Supervisor: Professor CS Young.

DUIKER, Adeline, BSocSciHons (UP), in Counselling Psychology, in the Department of Psychology. Degree by coursework and thesis. Thesis: "It's just like a waiting room": The experiences of psychology Honours students who are not accepted in any professional training programme for psychology in South Africa. Supervisor: Dr DD Booysen.

GUSHMAN, Lutho Phinda, BAHons (Rhodes), in Political & International Studies, in the Department of Political and International Studies. Degree by coursework and thesis. Thesis: What are the pertinent intersections in the lives of black women at Rhodes University? Supervisor: Professor L Vincent.

HARTLEY, Danyel Jordan, BAHons (Rhodes), in Philosophy, **with distinction**, in the Department of Philosophy. Degree by coursework and thesis. Thesis: Practicing conciliation: Towards a practical application of the Equal Weight View. Supervisor: Dr T Dewhurst.

INDRAJITH, Darsha, BJourn (Rhodes), in Journalism & Media Studies, **with distinction**, in the School of Journalism and Media Studies. Degree by thesis. Thesis: Online feminist killjoys: A case study of how Sad & Asian Facebook group members build affective solidarity & affective agency. Supervisor: Professor H Dugmore. Co-supervisor: Professor AC Garman.

JIMLONGO, Gcotyelwa Nomxolisi, BSocSciHons (Rhodes), in Political & International Studies, **with distinction**, in the Department of Political and International Studies. Degree by coursework and thesis. Thesis: Inkcitha nzila nobomi obutsha (The release of the widow and life after mourning): Xhosa widows and citizenship. Supervisor: Dr S Magadla. Co-supervisor: Ms S Mtero.

KASANGA, Chishimba, BMCS (Zambia), in Journalism & Media Studies, **with distinction**, in the School of Journalism and Media Studies. Degree by coursework and thesis. Thesis: “This may not be your grandmother’s page, but we will definitely talk about her”: Lusaka women and the Zambian Feminists Facebook page. Supervisor: Dr P Boshoff.

KOENIG, Nathalie, BSocSci (UCT), PG Cert. (Education) (Unisa), in Creative Writing, **with distinction**, in the School of Languages and Literatures. Degree by coursework and thesis. Thesis: Jungle Drive and other stories. Supervisor: Mr P Wessels.

KRUGER, Liesel Hilge, in Creative Writing, in the School of Languages and Literatures. Degree by coursework and thesis. Thesis: Wille Dagga. Supervisor: Ms S Hardy. Co-supervisor: Mr N Trantraal.

MACKAY, Danielle Louize, BAHons (Rhodes), in Classics, in the School of Languages and Literatures. Degree by coursework and thesis. Thesis: “Thrice-born Dionysos: An analysis of the birth narrative of Dionysos in Nonnos of Panopolis’ Dionysiaca”. Supervisor: Mr DJ van Schoor.

MANXIWA, Mzuvukile, in Creative Writing, **with distinction**, in the School of Languages and Literatures. Degree by coursework and thesis. Thesis: Isilonda sibhidlikile: Ingqokelela Yemibongo. Supervisor: Dr H Kunju. Co-supervisor: Mr M Buzani.

MASEKO, Moosa Lorenzo, BA (UJ), BAHons (Unisa), in Counselling Psychology, in the Department of Psychology. Degree by coursework and thesis. Thesis: Mental Health Professionals' Gender-Sensitivity and responsiveness to the Genderqueer population in substance use disorder treatment: A Systematic Review. Supervisor: Dr L Jacobs.

MATEBESE, Sbongile, MA (Rhodes), in Clinical Psychology, **with distinction**, in the Department of Psychology. Degree by coursework and thesis. Thesis: Educating learners with special educational needs in special schools: An interpretative phenomenological study of teachers' experiences. Supervisor: Mr J Knoetze.

MILLIN, Murray David, BAHons (Rhodes), in Philosophy, in the Department of Philosophy. Degree by coursework and thesis. Thesis: Robot Rights, an Approach Appealing to Animal Rights Theory. Supervisor: Professor WE Jones.

MKHUTLE, Nhlanhla Handsome, BAHons (Rhodes), in Political & International Studies, in the Department of Political and International Studies. Degree by coursework and thesis. Thesis: The roots run deep? Understanding branch politics within the African National Congress. Supervisor: Professor S Matthews.

MOLETSANE, Dimpho, BAHons (Rhodes), in Philosophy, **with distinction**, in the Department of Philosophy. Degree by thesis. Thesis: To fail at becoming South African: Moral blindness, liminality, and rainbowism. Supervisor: Dr L Kelland.

MUNISHVARAN, Kuriesha, BPsych (Pearson Institute), in Clinical Psychology, in the Department of Psychology. Degree by coursework and thesis. Thesis: The experiences of clinical psychologists in treating

traumatic stress at a tertiary psychiatric hospital in the Eastern Cape: A qualitative research study. Supervisor: Dr DD Booysen.

NAUMANN, Tyler, BAHons (Rhodes), in French, **with distinction**, in the School of Languages and Literatures. Degree by thesis. Thesis: Une analyse critique de deux adaptations filmiques de Les Liaisons Dangereuses de Pierre Choderlos de Laclos. Supervisor: Dr CJ Cordell.

NEL, Aiden Pieter, BAHons (Rhodes), in Classics, **with distinction**, in the School of Languages and Literatures. Degree by thesis. Thesis: Hermes Dolios: Performances of Hermes as trickster in the Homeric Hymn to Hermes. Supervisor: Mr DSC Malamis.

NGIDI, Buyisiwe Sime, BA, LLB (Rhodes), in Industrial & Economic Sociology, in the Department of Sociology. Degree by coursework and thesis. Thesis: Working and living conditions of seasonal workers in the agro-processing sector: A case study of Carara Agro-Processing Services (Pty) Ltd. Supervisor: Professor GG Klerck.

NYAKAMBI, Ntombizethu, BAHons (Rhodes), in African Language Studies, in the School of Languages and Literatures. Degree by thesis. Thesis: The use of African Languages in traditional courts: A Luyengweni case study. Supervisor: Professor RH Kaschula (UWC). Co-supervisor: Dr Z Docrat.

OFUMANE, Alvo Naftal, Licentiate (Eduardo Mondlane), in Journalism & Media Studies, in the School of Journalism and Media Studies. Degree by coursework and thesis. Thesis: Media consumption and identity formation: The consumption of Latin American telenovelas in two neighbourhoods of Maputo. Supervisor: Professor L Steenveld.

OLIVIER, Jason Eben, BA, PG Dip (Media Management) (Rhodes), in Journalism & Media Studies, in the School of Journalism and Media Studies. Degree by coursework and thesis. Thesis: Who are you? Online practices of self-representation of black gay men at Rhodes University on the geosocial networking application Grindr. Supervisor: Ms G Rennie.

ONAH, Gideon Owogeka, BAHons (Calabar Calabar), in Philosophy, **with distinction**, in the Department of Philosophy. Degree by coursework and thesis. Thesis: What is Political Corruption? A Philosophical Analysis. Supervisor: Professor B Uchenna Okeja.

OOSTHUIZEN, Nina Celeste, BA (UJ), BAHons (Wits), in Journalism & Media Studies, in the School of Journalism and Media Studies. Degree by coursework and thesis. Thesis: Investigating the digital disruption of journalistic identity at the South African Broadcasting Corporation. Supervisor: Dr A Schoon.

PARKINSON, Catherine Anne, MA, PG Cert., (Education) (Rhodes), in Counselling Psychology, **with distinction**, in the Department of Psychology. Degree by coursework and thesis. Thesis: Power in periods: A Foucauldian-feminist exploration of menstruation in an all-girls' Secondary School in South Africa. Supervisor: Mr J Knoetze. Co-supervisor: Dr SA Paphitis.

PATNALA, Shraddha, BJourn (Rhodes), in Journalism & Media Studies, in the School of Journalism and Media Studies. Degree by coursework and thesis. Thesis: Creating Digital Materials for Antimicrobial Resistance One Health awareness and behaviour change for Rhodes University Peer Educators. Supervisor: Professor H Dugmore. Co-supervisor: Professor NJ Pearse.

PETTITT, Stephen John, BJourn (Rhodes), in Journalism & Media Studies, **with distinction**, in the School of Journalism and Media Studies. Degree by coursework and thesis. Thesis: Exploring the political economy of the broadcast and distribution of the Mzansi Super League in South Africa. Supervisor: Mr R Amner.

PAYNE, Jessica Raechel, BAHons (Rhodes), in English, **with distinction**, in the Department of Literary Studies in English. Degree by thesis. Thesis: Language and the Thing Itself in the Fiction of John Banville. Supervisor: Professor M Marais. Co-supervisor: Dr S Marais.

PILLAY, Previn, BTech, NDip (Engineering) (DUT), in Creative Writing, in the School of Languages and Literatures, Degree by coursework and thesis. Thesis: Retrospective. Supervisor: Mr P Wessels. Co-supervisor: Dr P Mason.

QHALI, Itumeleng, BAHons (UJ), in Creative Writing, **with distinction**, in the School of Languages and Literatures. Degree by coursework and thesis. Thesis: ILahleko – Loss. Supervisor: Ms S Hardy. Co-supervisors: Ms V Gantsho, Dr H Kunju and Ms M Mbungwana.

RADEMAN, David John, BAHons (Rhodes), in Classics, in the School of Languages and Literatures. Degree by thesis. Thesis: Biton's Lost Siege Engine: Experimental archaeology in Classical Studies. Supervisor: Mr DSC Malamis.

RUITERS, Siphamandla, BSocSciHons (Rhodes), in Philosophy, in the Department of Philosophy. Degree by coursework and thesis. Thesis: Pessimism and the Secular Problem of Evil. Supervisor: Mr FX Williamson.

SAULS, Aloysius Albeus, in Creative Writing, in the School of Languages and Literatures. Degree by coursework and thesis. Thesis: Aloe. Supervisor: Mr M Nyezwa. Co-supervisor: Mr N Trantraal.

SILBER, Gerson Russel, in Journalism & Media Studies, **with distinction**, in the School of Journalism and Media Studies. Degree by coursework and thesis. Thesis: Generation news: Consuming, sharing, and producing news across generations in five Johannesburg households. Supervisor: Professor H Dugmore.

SIMUJA, Clement, PGDipHE, PhD (Rhodes), in Philosophy, in the Department of Philosophy. Degree by coursework and thesis. Thesis: Concerning Marya Schechtman Narrative Account. Supervisor: Dr T Dewhurst.

SPYKER, Jessica Grace, BAHons (Rhodes), in Sociology, **with distinction**, in the Department of Sociology. Degree by coursework and thesis. Thesis: Negotiating shame: A qualitative study of body image among university-going women. Supervisor: Professor MD Drewett.

SÜLTER, James Nicholas Edwin, BAHons (Rhodes), in Ancient Greek, **with distinction**, in the School of Languages and Literatures. Degree by thesis. Thesis: The Bastards of Euripides: Illegitimacy in the Hippolytus, the Andromache, and the Ion. Supervisor: Mr M Lambert.

TUNZELANA, Nomava Mercy, BAHons (UFH), MA (Stell), in Linguistics & Applied Language Studies, in the Department of Linguistics and Applied Language Studies. Degree by coursework and thesis. Thesis: An ethnographic investigation of basic word order in South African Sign Language Teaching at FET Level. Supervisor: Professor R Adendorff.

WALSH, Lindsey Sara, BAHons (Rhodes), in Anthropology, **with distinction**, in the Department of Anthropology. Degree by thesis. Thesis: What are the well-being implications of urban natures among black urban dwellers in the Eastern Cape? Supervisor: Professor ML Cocks. Co-supervisor: Professor CM Shackleton.

WELLING, Ashley Gerard, DPP (TUT), BTech (TUT), in Drama, in the Department of Drama. Degree by coursework and thesis. Thesis: Journey of the Awakened One: An Exploration into Mindful Writing. Supervisor: Professor A Krueger.

WILSON, Jon Stephen Edward, BAHons (Rhodes), in English, **with distinction**, in the Department of Literary Studies in English. Degree by thesis. Thesis: Queer as Africa: Representations of Queer Lives in Selected Nigerian, Kenyan, and South African Literature and Film. Supervisor: Dr D Seddon.

YANTA, Luvuyo Mkhululi, in Creative Writing, in the School of Languages and Literatures. Degree by coursework and thesis. Thesis:

The Shore of the Mind. Supervisor: Mr P Wessels. Co-supervisors: Mr M Buzani and Dr H Kunju.

ZINI, Thembela Nomonde, BAHons (NMMU), in Counselling Psychology, in the Department of Psychology. Degree by coursework and thesis. Thesis: An interpretive analysis of the experiences of adults working as university support staff. Supervisor: Professor J Akhurst.

ZONO, Cebisa, in Creative Writing, **with distinction**, in the School of Languages and Literatures. Degree by coursework and thesis. Thesis: Ukubamba Umphefumlo Kukuphila: Ingqokelela Yamabali Amafutshane. Supervisor: Dr H Kunju.

DEGREE OF MASTER OF FINE ART

KRAMER, Brūnn David, B.Tech (NMU), in the Department of Fine Art. Degree by practice as research and thesis. Practical component: Tronkvoël. Thesis: Tronkvoël: Visual reflections on the use of prison as a metaphor for depression. Supervisor: Professor D Thorburn. Co-supervisors: Professor R Simbao and Dr R Baasch.

LINDERS, Raphaela Cosima Thandeka, BJourn (Rhodes), **with distinction**, in the Department of Fine Art. Degree by practice as research and thesis. Practical component: camera_cuts_shot_ends. Thesis: camera_cuts_shot_ends. Supervisor: Professor M de Jager. Co-supervisor: Dr P Boshoff.

DEGREE OF MASTER OF MUSIC

FLANAGAN, Jayson Edward, BAHons, PG Cert. (Education) (Rhodes), in Music, in the Department of Music and Musicology. Degree by thesis. Thesis: The Effects of Monaural Beat Technology on Learners' Experiences of Music Performance Anxiety (MPA). Supervisor: Professor C Foxcroft.

NELANI, Athenkosi, BMus (Rhodes), in Music, in the Department of Music and Musicology. Degree by performance and mini-thesis.

Performance component: two public recitals. Mini thesis: The Prominence of Choral Music in the Search and the Preservation of an African Identity: A study focusing on the role of choral composers in the formation of Black Nationalism during and post the Colonial era in South Africa. Supervisor: Mr N Mthimkhulu (NMU). Co-supervisor: Dr B McConnachie

ROBERTSON, Garreth Damon, BMus (Rhodes), in Music, **with distinction**, in the Department of Music and Musicology. Degree by performance and mini thesis. Performance component: two public recitals. Mini thesis: Performing Emil Hartmann - The Importance of Musical Contextualisation: A Practice-based Research Project. Supervisor: Professor C Foxcroft. Co-supervisor: Dr B McConnachie.

DEGREE OF MASTER OF SOCIAL SCIENCE

BLOEM, Sharon Gretchen, BAHons (Rhodes), in Sociology, in the Department of Sociology. Degree by thesis. Thesis: A sociological study of menstrual hygiene management in schools in the Makana District, Eastern Cape, South Africa. Supervisor: Professor MD Drewett.

GININDZA, Wezizwe Sibusisiwe, BSocSciHons (Rhodes), in Industrial & Economic Sociology, in the Department of Sociology. Degree by coursework and thesis. Thesis: Decent work in global production networks: A study of Eswatini's sugarcane out grower schemes. Supervisor: Professor GG Klerck.

HEWSON, Aimee Jessica, BSocSciHons (Rhodes), in Psychology, in the Department of Psychology. Degree by thesis. Thesis: An interpretative phenomenological analysis of mothers' experiences raising an autistic child. Supervisor: Professor LA Wilbraham.

MAISIRI, Brandon James, BSocSciHons (Rhodes), in Industrial & Economic Sociology, in the Department of Sociology. Degree by coursework and thesis. Thesis: "Willing Victims": A study of

Zimbabwean migrant workers in the Citrus Industry of the Sundays River Valley, Eastern Cape. Supervisor: Professor GG Klerck.

MATSILELE, Blessing, BSocSciHons (Rhodes), in Industrial & Economic Sociology, in the Department of Sociology. Degree by coursework and thesis. Thesis: Analysis of citizen participation in service delivery in Zimbabwe's small towns: A case study of Chiredzi Town Council. Supervisor: Mr L Penxa.

MOSHIME, Kabelo Katlego, BSocSciHons (Rhodes), in Industrial & Economic Sociology, in the Department of Sociology. Degree by coursework and thesis. Thesis: Analyzing the impact of the Fourth Industrial Revolution on the organization of work processes in the banking sector of South Africa: The case of two major banks in Pretoria. Supervisor: Mr K Ntकिनca.

NDEMKA, Sibulela, BSocSciHons (Rhodes), in Industrial & Economic Sociology, in the Department of Sociology. Degree by coursework and thesis. Thesis: Perceptions and experience of school violence among teachers and learners within a black township in the Sarah Baartman District, Eastern Cape. Supervisor: Ms C Martinez-Mullen.

NEL, Derryn Joy, BSocSciHons (Rhodes), in Psychology, in the Department of Psychology. Degree by thesis. Thesis: Harry Potter: A Foucauldian discourse analytic approach to 'the boy who lived' and his attachment relationships. Supervisor: Professor LA Wilbraham.

SIMANGO, Kennedy Khuzwayo, BSocSciHons (Rhodes), in Industrial & Economic Sociology, in the Department of Sociology. Degree by coursework and thesis. Thesis: Climate change and small-scale farmer livelihood adaptation in rural border communities in Southern Africa: A case study of Ezondweni Village in Mchinji, Malawi. Supervisor: Professor KD Helliker.

THWALA, Fezeka Asande, BSocSciHons (Rhodes), in Industrial & Economic Sociology, in the Department of Sociology. Degree by coursework and thesis. Thesis: Exploring the dark side of emotional

labour of South African Police Service workers, working in KwaZulu-Natal. Supervisor: Ms C Martinez-Mullen.

FACULTY OF PHARMACY

DEGREE OF DOCTOR OF PHARMACY

FAKIR, Nazley. Supervisor: Professor BJ Wilson.

DEGREE OF DOCTOR OF PHILOSOPHY

MELAMANE, Siyabonga, BPharm, MSc (Pharmacy) (Rhodes), in Pharmaceutics, in the Faculty of Pharmacy. Degree by thesis. Thesis: Development and optimisation of a mucoadhesive chitosan-based intranasal microemulsion and nanomicelle solution for lamotrigine using artificial neural networks. Supervisor: Professor SMM Khamanga. Co-supervisor: Professor RB Walker.

FACULTY OF COMMERCE

DEGREE OF DOCTOR OF PHILOSOPHY

FRAUENSTEIN, Edwin Donald, BTech (WSU), MTech (NMU), in Information Systems, in the Department of Information Systems. Degree by thesis. Thesis: A personality-based behavioural model: Susceptibility to phishing on social networking sites. Supervisor: Professor SV Flowerday.

FRIDERICHS, Tamaryn Jean, MCom (Rhodes), in Economics, in the Department of Economics and Economic History. Degree by thesis. Thesis: Human Capital in the context of high levels of inequality in South Africa. Supervisor: Professor GR Keeton. Co-supervisor: Professor M Rogan.

MOSTERT, Tarita, LLB (Unisa), LLM (Taxation) (NMU), in Accounting, in the Department of Accounting. Degree by thesis. Thesis: An interpretation of deeming provisions in legislation, in the

context of a framework of legal principles - a South African perspective. Supervisor: Professor EM Stack.

FACULTY OF EDUCATION

DEGREE OF DOCTOR OF PHILOSOPHY

BROWNING, Leanne Elizabeth, MEd (UKZN), in Education, in the Centre for Higher Education Research, Teaching and Learning. Degree by thesis. Thesis: Constraints and enablements on quality improvement in higher education. Supervisor: Professor S McKenna.

HEATH, Gavin Edward Craig, MCRP (UCT), in Education, in the Department of Education. Degree by thesis. Thesis: Catchment and River Management in Graduate Teacher Education: A case study of student teacher learning and teaching in the Upper uThukela Valley, KwaZulu-Natal. Supervisor: Professor RB O'Donoghue.

HOKONYA, Wellington Munetsi, Dip (Education) (Zimbabwe), MEd (Zimbabwe), in Education, in the Department of Education. Degree by thesis. Thesis: An exploration of the mathematical learner identities of high school learners who participated in after school mathematics clubs in primary school. Supervisor: Dr P Vale. Co-supervisor: Professor M Graven.

JEFFERY, Thomas Carnegie, MA (Rhodes), in Education, in the Department of Education. Degree by thesis. Thesis: Museums for the Planet: Dialectical Critical Realism and the Possibility of an Eco-decolonial Museology. Supervisor: Distinguished Professor H Lotz-Sisitka.

MUKWAMBO, Robson, MEd (Rhodes), in Education, in the Department of Education. Degree by thesis. Thesis: Mediating and examining expansive learning in the context of multidimensional complexities affecting household food security activity systems in Nyanyadzi Irrigation Scheme in the Manicaland Province of Zimbabwe. Supervisor: Distinguished Professor H Lotz-Sisitka.

MUTANHO, Chrispen, BEdHons, MEd (Rhodes), in Education, in the Department of Education. Degree by thesis. Thesis: Indigenisation of the Science Curriculum at a Higher Education Institution: Affordances and Hindrances. Supervisor: Professor K Ngcoza. Co-supervisors: Distinguished Professor H Lotz-Sisitka and Professor E Mavhunga (Wits).

NKHAHLE, Lebona Jerome, BSc (Lesotho), PG Cert. (UFS), BEdHons (UCT), in Education, in the Department of Education. Degree by thesis. Thesis: Continuing teacher professional development in the Environment Sector: A case study of Fundisa for Change continuing teacher professional development programme. Supervisor: Distinguished Professor H Lotz-Sisitka. Co-supervisor: Dr NZ Songqwaru.

VAN BOREK, Sarah, BMA (Emily Carr), MFA (UCT), in Education, in the Department of Education. Degree by thesis. Thesis: Climate for Changing Lenses: Reconciliation through Site-Specific, Media Arts-Based Environmental Education on the Water and Climate Change Nexus in South Africa and Canada. Supervisor: Distinguished Professor H Lotz-Sisitka.

FACULTY OF LAW

DEGREE OF DOCTOR OF PHILOSOPHY

KRUUSE, Helen Julia, BA, LLB, LLM, PGDipHE (Rhodes), in Law, in the Faculty of Law. Degree by thesis. Thesis: The professional and ethical role of the legal practitioner in contemporary South Africa. Supervisor: Professor GB Glover. Co-supervisor: Professor D Nicolson (Essex).

FACULTY OF SCIENCE

DEGREE OF DOCTOR OF PHILOSOPHY

ADEWUMI, Abosede Atinuke, MSc (Ibadan), MEd (Lagos), MSc (Covenant), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Stable covalent pH-sensitive metallophthalocyanines thin Mmmolayer films for selective detection of neurotransmitters. Supervisor: Professor PN Mashazi.

BLECHER, Tariq Dylan, MSc (Rhodes), in Physics, in the Department of Physics and Electronics. Degree by thesis. Thesis: Neutral atomic hydrogen in gravitationally lensed systems. Supervisor: Professor R Deane (Pretoria). Co-supervisors: Professor I Heywood (Oxford) and Dr D Obreschkow (Western Australia).

COSSA, Teresa Manuel, DTech (CUT), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Green approach for the synthesis of symmetrical and unsymmetrical 1,2,4,5-tetraoxanes as anti-malarials. Supervisor: Professor R Klein. Co-supervisor: Professor RWM Krause.

DE VILLIERS, Deon Johan, MSc (UNITRA), in Geography, in the Department of Geography. Degree by thesis. Thesis: Biodiversity Conservation of South Africa's Wild Coast through the years: Exploring the tensions between western-style and local traditional conservation practices. Supervisor: Professor T Kepe (Toronto).

DIALLO, Bakary Ntji, MSc (Rhodes), in Bioinformatics, in the Department of Biochemistry and Microbiology. Degree by thesis. Thesis: Application of computer-aided drug design for the identification of *Plasmodium falciparum* inhibitors. Supervisor: Professor KA Lobb. Co-supervisor: Professor O Tastan Bishop.

ENOKENWA EPSE BAA, Ojongetakah, BAHons (Wits), MSc (Bueau), in Environmental Science, in the Department of Environmental Science. Degree by thesis. Thesis: Culture, gender and

forests: social differentiation in coping and adapting to climate change and other stressors in the south west and east regions of Cameroon. Supervisor: Professor SE Shackleton. Co-supervisor: Dr K Coetzer-Hanack (Wits).

ERASMUS, Victoria Ndinelago, MSc (Namibia), in Fisheries Science, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Uncoupling the exploitation and climate change effects on the biology of Cape monkfish, *Lophius vomerinus* (Valenciennes, 1837) in Namibia. Supervisor: Professor WHH Sauer. Co-supervisors: Dr A-R Childs, Professor I Meiklejohn and Professor WM Potts.

FAURE, Sariana, MScAgric (Stell), in Entomology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Systematics of the Afrotropical Chalcididae (Hymenoptera: Chalcidoidea). Supervisor: Dr S van Noort (Iziko South African Museum). Co-supervisor: Professor S Compton. (Leeds).

FIKIZOLO, Lisolomzi Assaph, MPhil (Stell), in Ichthyology, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Towards effective monitoring, control and surveillance policy and implementation in South Africa and its relevance to other southern African States. Supervisor: Professor KL Cochrane. Co-supervisor: Professor WHH Sauer.

JIMOH, Taobat Adekilekun, MSc (Rhodes), in Environmental Biotechnology, in the Institute for Environmental Biotechnology. Degree by thesis. Thesis: Microalgal-bacterial flocs and extracellular polymeric substances for optimum function of integrated algal pond systems. Supervisor: Professor AK Cowan.

KAMBIKAMBI, Manda Juliet, MSc (Rhodes), in Ichthyology, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Taxonomic, ecological and biogeographic re-evaluation of temperate stream fishes in southern Africa: A case study of the *Enteromius anoplus* complex. Supervisor: Dr WT Kadye. Co-supervisor: Dr A Chakona. (SAIAB).

KEATES, Chad, BAHons (Rhodes), in Zoology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Integrative systematic structuring of the widespread psammophiid snakes (Psammophiidae): A multi-evidence species delineation approach. Supervisor: Dr S Edwards. Co-supervisor: Mr W Conradie (Port Elizabeth Museum).

KESHINRO, Muritala Olajide, MSc (FUNAAB), in Environmental Biotechnology, in the Institute for Environmental Biotechnology. Degree by thesis. Thesis: Plant-fungal mutualism as a strategy for the bioremediation of hydrocarbon polluted soils. Supervisor: Professor AK Cowan.

KRUID, Jan, MSc (Rhodes), in Biotechnology, in the Biotechnology Innovation Centre. Degree by thesis. Thesis: Integration of dual metallophthalocyanine catalysis and green energy for sustainable oxidative removal of endocrine disrupting compounds. Supervisor: Professor JL Limson. Co-supervisor: Dr R Fogel.

LEHAVANA, Adolphe, MSc (Antananarivo), in Entomology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: Distribution, and ecological and economic impact, of the invasive alien aquatic weeds *Pontederia crassipes*, *Salvinia molesta*, *Azolla filiculoides* and *Pistia stratiotes* in Madagascar. Supervisor: Distinguished Professor MP Hill. Co-supervisors: Dr C Birkinshaw (Missouri Botanical Gardens) and Dr C Zachariades (ARC).

MABASA, Nyiko Charity, MSc (Rhodes), in Fisheries Science, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Mitigating salt accumulation in recycled brewery effluent through the integration of water treatment, agriculture and aquaculture. Supervisor: Professor CLW Jones. Co-supervisor: Professor M Laing.

MADZIVANZIRA, Takudzwa Comfort, MSc (Zimbabwe), in Fisheries Science, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Evaluating and predicting impacts of Australian redclaw crayfish *Cherax quadricarinatus* and Louisiana red

swamp crayfish *Procambarus clarkii* invasions. Supervisor: Professor OLF Weyl. Co-supervisors: Professor T Nhiwatiwa and Dr J South (SAIAB).

MANYUMWA, Colleen Varaidzo, MSc (Rhodes), in Bioinformatics, in the Department of Biochemistry and Microbiology. Degree by thesis. Thesis: Computational analysis of alpha, beta and gamma carbonic anhydrases from hydrothermal vent systems as potential carbon dioxide sequestration agents. Supervisor: Professor O Tastan Bishop.

MAPUKATA, Sivuyisiwe, MSc (Rhodes), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Phthalocyanine-nanoparticle conjugates supported on inorganic nanofibers as photocatalysts for the treatment of biological and organic pollutants as well as for hydrogen generation. Supervisor: Distinguished Professor T Nyokong.

MATSHITSE, Refilwe Manyama, MSc (Wits), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: The construction of phthalocyanine-carbon nanoparticle conjugates for applications in photodynamic therapy and non-linear optics. Supervisor: Distinguished Professor T Nyokong. Co-supervisor: Dr J Britton.

MILLER, Jordan Katherine, BScHons (Rhodes), in Geography, in the Department of Geography. Degree by thesis. Thesis: Application of environmental magnetism to tracing sediment source contribution to Kruger National Park reservoirs. Supervisor: Professor K Rowntree. Co-supervisor: Professor I Foster (Northampton).

NAIDOO, Monogaran, MSc (Unisa), in Applied Mathematics, in the Department of Mathematics. Degree by thesis. Thesis: Modifications to gravitational waves due to matter shells. Supervisor: Professor NT Bishop. Co-supervisor: Professor D Pollney.

NDZABANDZABA, Coli, MSc (Swaziland), in Hydrology, in the Institute for Water Research. Degree by thesis. Thesis: Establishing a water resources assessment system for eSwatini (Swaziland)

incorporating data and modelling uncertainty. Supervisor: Professor D Hughes. Co-supervisor: Dr J Tanner.

PARKER-NANCE, Shirley, BSc (UP), PhD (UPE), in Ichthyology, in the Department of Ichthyology and Fisheries Science. Degree by thesis. Thesis: Baseline description of the benthic biotopes for two Long-Term Ecological Research (LTER) stations in Algoa Bay, Agulhas ecoregion, South Africa. Supervisor: Professor TL Bornman. Co-supervisor: Professor WHH Sauer.

SHAWA, Mark Musonda, MSc (Rhodes), in Physics, in the Department of Physics and Electronics. Degree by thesis. Thesis: On the gravitational dual to strongly coupled fluids. Supervisor: Professor AJM Medved.

SMITH, Rosali, MSc (Rhodes), in Entomology, in the Department of Zoology and Entomology. Degree by thesis. Thesis: The biological control of *Egeria densa* Planchon (Hydrocharitaceae) in South Africa. Supervisor: Distinguished Professor MP Hill. Co-supervisor: Professor JA Coetzee.

VAN DER MERWE, Marcel, MSc (Rhodes), in Microbiology, in the Department of Biochemistry and Microbiology. Degree by thesis. Thesis: An investigation into yeast-baculovirus synergism for the improved control of *Thaumatotibia leucotreta*, an economically important pest of citrus. Supervisor: Professor C Knox. Co-supervisors: Distinguished Professor MP Hill and Professor SD Moore (CRI).

ZULU, Ayanda Ignatia, MSc (Rhodes), in Chemistry, in the Department of Chemistry. Degree by thesis. Thesis: Synthesis, characterization and antiparasitic evaluation of chalcone hybrids based on bioactive scaffolds. Supervisor: Professor SD Khanye.

FACULTY OF HUMANITIES

DEGREE OF DOCTOR OF PHILOSOPHY

AFOLABI, Abiodun Paul, BA (Adekunle Ajasin), MA (Lagos), in Philosophy, in the Department of Philosophy. Degree by thesis. Thesis: Ethics of Climate Change: A normative account. Supervisor: Professor B Uchenna Okeja.

ALEXANDER, Graham, BSocSciHons (Rhodes), MA (UCT), in Psychology, in the Department of Psychology. Degree by thesis. Thesis: Schema therapy for anorexia nervosa: An intensive systematic individual case study. Supervisor: Professor D Edwards.

BOBO, Azola Benita Dorothea, MSocSci (Rhodes), in Psychology, in the Department of Psychology. Degree by thesis. Thesis: A reflective multiple case study approach to understanding partner relationships within the context of community engagement at Rhodes University. Supervisor: Professor J Akhurst.

BOWKER, Chantal Ann, MA (Limpopo), in Psychology, in the Department of Psychology. Degree by thesis. Thesis: Schema Modes in Eating Disorders: An interpretative phenomenological analysis. Supervisor: Professor D Edwards.

CHADAMBUKA, Patience, MSc (Zimbabwe), in Sociology, in the Department of Sociology. Degree by thesis. Thesis: Former farm workers of foreign descent in communal areas in post-fast track Zimbabwe: The case of Shamva District. Supervisor: Professor KD Helliker.

HWAMI, Rudo Fortunate, MSocSci (Rhodes), in Political & International Studies, in the Department of Political and International Studies. Degree by thesis. Thesis: Traversing Doctoral Borderlands: Black doctoral students' experiences of identity construction in South Africa. Supervisor: Professor L Vincent.

MTERO, Shingirai Betty Yananiso, MA, PG Dip (International Studies) (Rhodes), in Political & International Studies, in the Department of Political and International Studies. Degree by thesis. Thesis: Shifting Norms and Practices of International Criminal Justice: Exploring African State and Non-State Agency at the International Criminal Court. Supervisor: Professor P Bischoff.

NJOKU, Obianuju Akunna, BAHons (UNN), MA (Performing Arts) (UNILORIN), in Music, in the Department of Music and Musicology. Degree by thesis. Thesis: Traversing Sonic Spaces: Expressions of Identity, Gender and Power in the Musical Traditions of the Nupe in Northern Nigeria. Supervisor: Dr L Watkins.

SAVIC, Stefan, BA (Belgrade), MA (Albert-Ludwigs), in English Language & Linguistics, in the Department of Linguistics and Applied Language Studies. Degree by thesis. Thesis: Tense and Aspect in Xhosa. Supervisors: Professor SR Simango and Professor MA de Vos.

SIBUYI, Lucas Nkosana, BIS (UNIN), BAHons (Unisa), MPhil (NMMU), in Sociology, in the Department of Sociology. Degree by thesis. Thesis: Competing Policy Imperatives in Post-Apartheid South Africa: An Analysis of the Effects and Larger Significance of ESKOM Restructuring on the South African Automotive Industry, 2005-2014. Supervisor: Professor LJW van der Walt.

SIPUNGU, Thoko Andy, BA, LLB, MA (Rhodes), in Sociology, in the Department of Sociology. Degree by thesis. Thesis: Embodied difference in manhood: A sociological analysis of the intersection of visible physical impairments and manhood among Xhosa men in the Eastern Cape. Supervisor: Professor MD Drewett.

VILJOEN, Jacobus Frederick, MMus (Performing Arts) (NMU), in Music, in the Department of Music and Musicology. Degree by performance and mini thesis. Performance component: three public recitals. Mini thesis: Gaze patterns of expert and amateur sight-readers with particular focus on the cognitive underpinnings of reading key and time signatures. Supervisor: Professor C Foxcroft.

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.

Normally graduates would walk across the stage 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 would be 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. The COVID -19 pandemic has necessitated the announcement of national lockdown levels, with related restrictions in the interest of the health and safety of all and to curb the spread of the virus. This has compelled the University to change the form of the ceremony to one that is pre-recorded and virtual in nature.

Recognising the enormity of the achievement and appreciating that graduation is a special moment for you and your loved ones, we encourage that graduates, families, friends, Rhodes University faculty and staff, alumni, and other community members to celebrate this special day in meaningful ways. The Communications and Advancement team encourage you to post celebratory and congratulatory photos and short videos on your personal social media pages using the hashtag **#RUGrad2021** as a way to support and celebrate our graduates.

Enjoy the ceremony 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 – Former Deputy Vice Chancellor Academic and Student Affairs - Rhodes University.

COVID 19 amendment by the Registrar, Professor Adèle L Moody.

Yintoni uthweswo-zidanga?

Uthweswo-zidanga lixesha lobhiyozo elikhulu kubafundi neentsapho zabo. Lixesha lokugcoba nokuchulumancela impumelelo, ukuthatha imifanekiso nokugcina iinkumbulo, ukuqhwebela 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 uninzi 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 kwinqonga 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 isincedisa 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. Ngokusesikweni, abo bathweswa izidanga baye bahambe eqongeni bethatha inxaxheba kwizithethe nangcambu zazo ezingezizo ezaseAfrika. Indlela esinokuwubona ngayo lo mnyhadala yileyo yokuwujonga njengenguqu yobuni. Ukunxitywa kwesambatho sokuthweswa isidanga kubonakalisa inguqu kwabo bathwesiweyo ngokufanayo nakwezinye iinkcubeko, umzekelo, apho amatyendyana abafana aye anxibe iimpahla ezintsha emva kolwaluko, ukuphawula ukunyukela kwesinye isigaba sobomi. Le nguqu iye iqatshelwe yiNgqonyela eye ibabethe entloko noMabhalane-jikelele weYunivesithi obathi tyu ngexakatho emagxeni. Iintloko zeeFakhalthi, abahloli, kunye nalo lonke uluntu lweYunivesithi zibukele – bebhiyozela yaye bengqina impumelelo yabafundi bethu.

Ubhubhane weCOVID-19 uye wagunyazisa ukubhengezwa kwemiqathango yomvalela-ndlini kuzwelonke yaye eminye imiqathango igxile kwimpilo nokhuseleko lomntu wonke nokunciphisa ukwanda kwale ntsholongwane. Oku kunyanzelise iYunivesithi itshintshe uhlobo lomnyhadala lube lolu lushicilelweyo noluhuba ngonxibelelwano lobuxhakaxhaka lobuchwepheshe ne-intanethi. Ekuqapheleni ubukhulu bale mpumelelo nokuqonda ukuba ukuthweswa isidanga yinto ekhethekileyo kuwe nakwabo basenyongweni kuwe, sikhuthaza ukuba abo bathweswa isidanga, iintsapho, abahlobo, amacandelo emfundo nabasebenzi beYunivesithi iRhodes, amagqala namanye amalungu oluntu ukuba babhiyozele lo mhla ukhethekileyo ngeendlela ezichukumisa imvakalelo. Iqela loNxibelelwano noPhuhliso likhuthaza ukuba nixhome kumakhasi enu abucala onxibelelwano imifanekiso yenu neevidiyo ezimfutshane zokubhiyozela nokuvuyisana nale mpumelelo nisebenzisa ihashtag **#RUGrad2021** njengendlela yokuxhasa nokuvuyisana nabo bathweswa izidanga. 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 neyaBafundi – eRhodes University.

Inguqulelo mayela neCOVID 19 zenziwe nguMabhalane-jikelele weYunivesithi, uNjingalwazi Adèle L Moody.

Wat is 'n gradeplegtigheid?

'n Gradeplegtigheid is 'n besondere feestelike tyd vir studente en hulle families. Dit is 'n tyd waarin prestasies vereer word, foto's geneem word en herinneringe geskep word. Dis 'n tyd vir applous en ook natuurlik om aan te trek na gelang van die waardigheid van die seremonie.

Gegradueerdes dra tradisioneel 'n akademiese toga wat hulle laat uitstaan as 'spesiaal' in vergelyking met ander mense wat die seremonie bywoon. Hulle stap oor die verhoog, kniel voor die Kanselier, wie hulle dan met 'n seremoniële hoed op die kop tik, voordat hulle aanbeweeg na die Registrateur, wie vir hulle 'n 'kap opsit' volgens die graad wat hulle verwerf het.

Vir baie mense wat die gradeplegtigheid bywoon is die sleutelvraag: Wat sou al hierdie seremonies en prosedures, wat honderde jare gelede meestal in Europa ontstaan het, in 'n hedendaagse Suid-Afrika beteken? Een manier om dié vraag te beantwoord is om op die gegradueerde as mens te fokus. Wanneer studente vandag oor die verhoog stap, is hulle nie meer dieselfde mense wie drie of vier jaar gelede by die Universiteit ingeskryf het nie. As die Universiteit sy werk goed gedoen het, is hulle nou geheel en al ander mense. Die gegradueerdes kyk nou met nuwe oë na die wêreld. Hulle dring nou aan op bewyse vir stellings en sal enige iets wat vir hulle nie geldig of regverdigbaar voorkom volgens hierdie bewyse nie, bestry.

By 'n universiteit soos Rhodes, is gegradueerdes ook opgelei om deur teoretiese lense na die wêreld te kyk. Teorie werk presies net soos die lense van 'n bril. Dit skep maniere om dinge te sien wat mens nie sonder jou bril sou kon sien nie; maniere 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 ons 'n wêreld te verbeel wat tans nie bestaan nie, wat uit die wêreld waarin ons ons nou bevind getransformeer het. So 'n uitkyk is 'n waardevolle vaardigheid vir die werksplek en dit is waarom gegradueerdes so gesog is. Hulle is veral belangrik in 'n jong demokrasie soos ons s'n.

Normaalweg sou gegradueerdes oor die verhoog stap en aan rituele deelneem wat nie in Afrika-grond 'n oorsprong vind nie. Een manier om hierdie verrigtinge te begryp is om dit te beskou as 'n verwisseling in identiteit. Op dieselfde manier as wat jong mans in sommige kulture nuwe klere sou dra ná 'n inisiasie-seremonie, simboliseer die dra van 'n toga 'n verwisseling in die mens wat die gegradueerde nou geword het. Hierdie verwisseling word erken deur die Kanselier wie hulle op die kop tik en die Registrateur wie die kap oor hulle skouers plaas. Die Dekane en akademici, wie die verwisseling saam met die hele Universiteitsgemeenskap aanskou het – vier en erken saam ons studente se prestasies. Die COVID-19 pandemie het die aankondiging van nasionale inperkingsvlakke genoodsaak, met die gepaardgaande maatreëls rondom almal se gesondheid en veiligheid, om die verspreiding van die virus te beperk. Die Universiteit word hierdeur verplig om die formaat van die seremonie te verander na 'n virtuele en vooraf-opgeneemde formaat.

Ter erkenning van die grootsheid van die prestasie en met waardering vir hoe spesiaal die gradeplegtigheid vir jou en jou geliefdes is, moedig ons gegradueerdes, families, vriende, Rhodes Universiteit fakulteite en personeel, alumni en ander lede van die gemeenskap aan om hierdie spesiale dag op 'n betekenisvolle manier te vier. Die Kommunikasie- en Bemakingsspan moedig jou aan om jou foto's en kort videos van die feesvieringe en gelukwensings op jou persoonlike sosiale media te pos met die hutsmerk **#RUGrad2021** as 'n manier om ons gegradueerdes te ondersteun en te vereer.

Geniet vandag se seremonie, maar – belangriker nog – erken die belangrikheid 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 van Akademie- en Studentesake – Rhodes Universiteit.

COVID-19 wysiging deur die Registrateur, Professor Adèle L Moodly.

NATIONAL ANTHEM OF SOUTH AFRICA

Nkosi sikelel' iAfrika
Maluphakanyisw' uphondo lwayo,
Yizwa imithandazo yethu,
Nkosi sikelela, thina lusapho lwayo.
Morena boloka setjhaba sa heso,
O fedise dintwa la matshwenyeho,
O se boloke, O se boloke setjhaba sa heso,
Setjhaba sa South Afrika - South Afrika.
Uit die blou van onse hemel,
Uit die diepte van ons see,
Oor ons ewige gebergtes,
Waar die kranse antwoord gee,
Sounds the call to come together,
And united we shall stand,
Let us live and strive for freedom,
In South Africa our land.