

INTRODUCTION

to postgraduate studies and research at Stellenbosch University



A postgraduate degree from this university signifies that you possess a high level of expertise in your chosen field and that you have acquired a range of skills valued by both academe and industry. You will not only acquire these skills in a classroom, but through the experience of completing independent research.

This publication gives an overview of key facts relating to postgraduate studies and research at Stellenbosch University (SU), introduces the institution's research profile, faculties and departments and highlights the postgraduate support mechanisms available to enable your success as a postgraduate student.

Your academic activity is primarily situated in your academic department with your supervisor for your research degree or with the postgraduate course coordinator when you enrol for a coursework programme. It is also the primary aim of this publication to point you to postgraduate programmes and research environments that may be your academic home for the next step in your career. It will provide you with a brief outline of possible academic engagement and with contact details for more in-depth information, also with regard to application and entry requirements.

To facilitate success, Stellenbosch University has created a focused support service platform which conveniently groups



postgraduate services and processes and makes these accessible to enrolled postgraduate students via My.SUN and other web interfaces. In this regard the Postgraduate & International Office fulfils a coordinating role in close collaboration with especially the divisions within the office of the Vice-Rector: Research, Innovation and Postgraduate Studies, i.e. the Library and Information Services and Research Development. Together with the Language Centre, Centre for Statistical Consultation, the Centre for Student Counselling and Development, Information Technology and Telematic Services we strive to ensure that a postgraduate dimension is added to services and that the offering in, for example, research and other generic skills development is coordinated and made available to postgraduate students.

SU students have access to an extensive programme to empower them to gain increasing independence as researchers. An important part of this programme is an online tool called on.track which may equip you to complete your research project on time, to make you aware of opportunities to develop a wide variety of skills and to ensure that you are ready for the next step in your career.

The African Doctoral Academy (ADA), a unit within the PGIO, support, strengthen and advance doctoral training and scholarship on the continent including consolidating and cultivating the postgraduate education pipeline.

Postgraduate studies at Stellenbosch also have an international dimension through departmental and institutional mechanisms to support international mobility of postgraduate students. Opportunities exist through bilateral exchange programmes,

Erasmus Mundus programmes and partial funding for short research stays abroad. Your choice of a postgraduate programme may thus also open international opportunities and represent the first steps towards establishing your own international network as a researcher.

Stellenbosch University will provide you with a first-class research environment and a wide range of institutional support, but it is up to you to manage and structure your experience.

We hope that your experience as a postgraduate student at Stellenbosch University will be worthwhile and enjoyable; one that will remain with you not only in the form of good memories, but also as valuable skills currency.

We look forward to your contribution to our excellent research reputation and that you will develop into one of our next generation of productive researchers.

Robert Kotzé

Senior Director: Postgraduate & International Office



About Stellenbosch University

Stellenbosch University, as one of 26 public higher education institutions in South Africa, enjoys the reputation as one of the top five research universities in the country, and a leading university on the African continent. With indicators such as the highest research output per capita in SA, 33 Research Chairs and 7 Centres of Excellence and a growing academic community that currently comprises more than 10 000 postgraduate students, 247 postdoctoral fellows and 1028 academics, the University is committed to producing research characterised by excellence and relevance. The university's vision is one of being an innovative, future-focused and inclusive institution, guided by its Vision 2030.

The history of Stellenbosch University dates back to the opening of the Stellenbosch Gymnasium in 1866 and the establishment of the Arts Department which became the Stellenbosch College in 1881. In 1887, the jubilee year of Queen Victoria's reign, this name was changed to the Victoria College, which acquired university status in 1918 to become Stellenbosch University.

It is a medium-sized institution in terms of student numbers but the most research productive institution in the country in terms of publication output. This is an important criterion against which to assess an institution when deciding where to study at the postgraduate level.

Stellenbosch University has five campuses. The main campus is situated in the picturesque winelands town of Stellenbosch. Approximately 50 km to the north east one will find the University of Stellenbosch Business School on the Bellville Park campus. Close by, the Faculty of Health Sciences on the Tygerberg campus is situated adjacent to the Tygerberg Hospital. On the west coast, the fourth campus, the Faculty of Military Science is located at Saldanha.

The fifth SU campus, in Worcester, was officially opened in 2012 with the launch of the Ukwanda Rural Clinical School of the Faculty of Medicine and Health Sciences. Here, medical and related health sciences



Google Earth coordinates:

33° 55' 58.93" South, 18° 51' 58.64" East

students have the opportunity to complete their clinical training on a rural platform. This is yet another example of SU's pioneering work in the field of academic innovation.

Each campus is different with its own characteristic student life and community. Each campus is well equipped and self-sufficient in terms of its facilities (Libraries, lecture theatres, laboratories, technologies and other facilities).

The university's main campus is situated in Stellenbosch, a popular tourist destination with majestic mountains and winelands. The Western Cape is also blessed with amazing floral biodiversity and a remarkable coastline, all of which make this part of the world a beautiful place to see.



Key Facts

Students: 30 150 students were enrolled at SU in 2015 on the annual official SU census date (June 2015)

Postgraduate students: The number of postgraduate students in 2015, namely 10 051, represents 33,3% of all students.

International students: ± 4117 international students representing 122 nationalities. Of the 4117: 39,6% are non-African, 60,4% are African (72% from SADC; 28% from non-SADC)

Staff: 1 028 academic personnel and 2 183 non-academic personnel.

Postdoctoral Research Fellows: 247

Publications: The weighted research output per SU staff member (journal articles, master's theses and doctoral dissertations was 2,97 – the highest of all universities in the country for the sixth year running.

Most technologically innovative campus in the country: according to the Department of Science and Technology (DST)

Offers joint PhDs and double Master's degrees: currently with partners in Europe, Brazil and Africa.

ERASMUS+ and EU Intra-ACP programmes: depending on the programme, SU is a mobility or coordinating partner. SU staff and students are eligible to apply for a range of scholarships to study or do research.

Degrees awarded: 2014	
Type of qualification	Number awarded
Undergraduate diplomas and certificates	26
Bachelor's degrees	3 476
Postgraduate diplomas and certificates	1 301
Honours degrees	1 235
Master's degrees	1 297
Doctoral degrees	234
Total	7 569

University of Stellenbosch Business School (USB): only South African university business school that holds a triple crown of international accreditations: AACSB, EQUIS and AMBA, and first African Business School with AACSB accreditation: less than 5% of the world's business programmes are AACSB accredited

National Research Foundation (NRF) rated researchers: 371

Centres of Excellence: 7

Research Chairs: 33



The weighted research output per SU staff member is the highest of all universities in the country.

Research Prestige

Centres of Excellence

Stellenbosch University currently hosts seven Centres of Excellence, four of which are established by the National Department of Science and Technology (DST). These are the DST Centres of Excellence at Stellenbosch University:

- DST-NRF Centre for Invasion Biology (CIB)
- DST-NRF Centre for Epidemiological Modelling and Analysis (SACEMA)
- DST-NRF Centre of Excellence for Biomedical TB Research (CBTBR)
- DST-NRF Centre for Scientometrics and Science Policy

Other national centres include:

- Centre for Renewable and Sustainable Energy Studies (CRES)
- AU/NEPAD Networks of Water Centres of Excellence
- The National Institute for Theoretical Physics (NIThep)



Centre for Renewable and Sustainable Energy Studies

The University's directional leadership in the high-priority field of renewable energy led to it being awarded the Centre for Renewable and Sustainable Energy Studies, sponsored by SANERI (South African National Energy Research Institute) and the Central Energy Fund. The centre makes considerable efforts to involve interested parties in research, development, training and education in energy provision - in collaboration with the Sustainability Institute at the Lynedoch EcoVillage. The overall objective of this initiative is to develop and enhance national capacity in renewable and sustainable energy in support of accelerated and shared economic growth. This will be achieved by building the human resource capacity, create and disseminate knowledge, and lastly to stimulate innovation and enterprise in the field of renewable and sustainable energy.

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AU/NEPAD Networks of Water Centres of Excellence

Water science and technology constitutes one of the main flagship programmes of New Partnership for Africa's Development (NEPAD) with the aim to strengthen the continent's capabilities to use science and technology to secure adequate clean water and manage its resources. Through NEPAD, there is a commitment by government to "ensure sustainable access to safe and adequate clean water supply and sanitation, especially for the poor" and they adopted that S&T play important roles in water development, supply and management; that S&T are crucial for assessing, monitoring and ensuring water quality. At a meeting of the Southern African role players and the European Commission and other role players, facilitated by the DST and the Water Research Commission, it was decided that Stellenbosch University would host the NEPAD WATER initiative. This flagship programme should strengthen the continent's capabilities to harness and apply S&T to address challenges of securing adequate clean water as well as managing the continent's

resources to become a basis for national and regional cooperation and development.

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www.nepadwatercoe.org

The National Institute for Theoretical Physics (NITheP)

The National Institute for Theoretical Physics (NITheP) leads and coordinates research programmes and fosters education in Theoretical Physics, allowing South Africa to play its rightful international role in a truly fundamental scientific field. The mission of NITheP is to provide a stimulating national and African user facility for Theoretical Physics



that links South Africa and the continent to an international family of Institutes for Theoretical Physics and similar institutions where its programmes are recognised for their excellence in research and innovative role in the education of Theoretical Physics, especially in underrepresented communities.

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www.nithep.ac.za/4.Staff/Stellenbosch.php

DST-NRF Centre for Invasion Biology (CIB)

The CIB is an inter-institutional Centre of Excellence established in 2004 within the DST-NRF Centres of Excellence Programme. Its members undertake research on the biodiversity consequences of biological invasions, largely through postgraduate student training. The principal aims of the Centre's work are to reduce the rates and impacts of biological invasions by furthering scientific understanding and predictive capability, and by developing research capacity.

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<http://academic.sun.ac.za/cib/>

DST-NRF Centre for Epidemiological Modelling & Analysis (SACEMA)

SACEMA specialises in the mathematical modelling of diseases prevalent in South Africa, Southern Africa and the African continent. The immediate aim of the research is to understand and predict the development of various diseases, and thereby to provide advice on how best to combat them. This centre is linked to the Stellenbosch Institute for Advanced Study (STIAS).

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DST-NRF Centre of Excellence for Biomedical TB Research (CBTBR)

The CBTBR combines clinical grassroots investigations into TB with sophisticated laboratory research that involves various departments and disciplines within and beyond the university campus. The urgency of the need for new and improved tools for the diagnosis, treatment and prevention of TB cannot be over-stated. Whereas much of the work of the CBTBR entails the development of

accurate diagnosis and appropriate therapy for MDR and XDR-TB the centre has also played an active and ongoing role in community outreach and awareness to prevent and treat TB.

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DST-NRF Centre on Scientometrics and Science, Technology and Innovation Policy

The CoE on Scientometrics and Science Policy is a virtual centre of excellence hosted and lead by the Centre for Research on Evaluation, Science and Technology (CREST). The CoE seeks to contribute to redressing the major socio-economic and political challenges facing South Africa, viz. environmental degradation, Public service delivery, Poverty, Unemployment and Inequality.

The aim of measuring the performance, and monitoring effective implementation of Science, Technology and Innovation (STI) policies for NSI development and international competitiveness,

means that valid and reliable indicators have to be developed: for knowledge production in the higher education and science system; indicators of innovation; indicators on development; and indicators about networking – meaning how effectively the different components articulate. In each of these areas there is a body of knowledge and established practices; a major problem is that in most innovation systems these are discrete practices. A central task of the Centre of Excellence will be to strengthen and develop different capacities in these areas of specialty and then provide the connections.

Four main thematic areas have been identified, namely: Science, Technology and Innovation Indicators, STI Policy for Development; Human development for STI; and Science communication, evaluation and impact.

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South African Research Chairs Endorsed Chairs:

As part of the SA Research Chairs Initiative (SARChI), Stellenbosch University hosts research chairs in the fields of: Engineering Electromagnetics; Nano-structured Functional Materials; Experimental Petrology; Advanced Macromolecular Architectures; Genetic Tailoring of Biopolymers; Postharvest Technology; Photonics-, Ultrafast and Ultra-intense Laser Science; Post-traumatic Stress Disorder; Economics of Social Policy; Meat Science; Energy Research; Mechanistic Modelling of Health and Epidemiology; Integrated Wine Sciences; Mycobacteriology; TB Biomarkers; Animal Tuberculosis; Mathematical and Theoretical Biosciences, Property Law, Science Communication, Artificial Intelligence, Quantum, Optical and Atomic Physics, Social-Ecological Systems and Resilience, Sociology of Land, Environment and Sustainable Development, Gender Politics, Paediatric Tuberculosis and Integrative Skeletal Muscle Physiology, Biology and Biotechnology.

Independent Chairs:

- Harry Oppenheimer Chair in Human Rights Law;
- SANRAL (South African Roads Agency Limited) Chair in Pavement Engineering;
- Anton Mostert Chair of Intellectual Property;
- Agricol Chair in Agronomy;
- ERWAT Research Chair in Wastewater Management;
- Scater Solar Chair in Photovoltaic (PV) Systems

The research chairs hosted by Stellenbosch University are positioned strategically around specific research areas where Stellenbosch University is seen as a leader in the field and where existing resources and capacity exist for a focused knowledge and human resource intervention.

The aim of the initiative is to make South Africa competitive in the international knowledge economy based on its existing and potential strengths.

For more information on the South African Research Chairs Initiative (SARChI), please visit www.nrf.ac.za.

SA Research Chair in Engineering electromagnetics

Electromagnetic energy is found throughout the universe. Radio telescopes detect electromagnetic radiation from space at the same frequencies at which radios, cell phones and radars operate at. The Chair, entitled Electromagnetic systems and electromagnetic interference mitigation for the SKA, will focus on the electromagnetics underlying the design of antennas and radio frequency 'front end' systems that play the same crucial role which a lens does in optical instruments. Their design is crucial to the success of the radio telescope – as well as considering the effect of unwanted electromagnetic radiation or interference, which can easily mask the tiny signals which are sought.

SU has long had a tradition of excellence in training post-graduate students in electromagnetics, radio-frequency (RF) and microwave engineering, and this Chair will provide a strong focus for future research in this field.

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SA Research Chair on Advanced Macromolecular Architectures

The Research Chair on Advanced Macromolecular Architectures was one of the first twenty awarded SARCHI chairs. The first year budget was spent on a MALDI-ToF mass spectrometer, which is a great asset for the work within the research group of Prof Bert Klumperman, holder of this Research Chair.

The focus of the Chair is firstly the synthesis and characterization of advanced macromolecular architectures. Second, there is the control of morphology and functionality on the nanometer length scale. Thirdly, the kinetics and mechanisms of polymerization reactions are investigated. Among



the applications are a device for the diagnosis of TB in young children and antimicrobial materials for air-filtration.

Contact person: Prof Lubertus Klumperman
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SA Research Chair in Nanostructured Functional Materials

Prof Barbour's Research Chair in Nanostructured Functional Materials encompasses the study of structure-property relationships in synthetic crystals. The research involves the design of molecules that pack in the solid state such that their relative arrangements give rise to interesting and useful functionality. In particular, the group is interested in developing (1) new kinds of porous materials for the selective storage, separation and sensing of specific gases, (2) crystals that double the frequency of laser light, (3) materials with unusual thermal expansion properties and (4) solids that undergo changes in their molecular arrangements under different conditions of pressure and temperature.

The work focuses not only on the design and assembly of these materials, but also on the study of

their structures at the molecular level with a view to understanding the direct link between form and function.

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SA Research Chair in Genetic Tailoring of Biopolymers

Professor Jens Kossmann from the Institute of Plant Biotechnology was awarded the research Chair in Genetic Tailoring of Biopolymers. One of the grand challenges in the biological sciences is to establish structure-function relationships between proteins and their catalytic action as well as of biomaterials and their physico-chemical properties. In this context, the development of next-generation biomaterials relies on the participation of scientists from highly diverse disciplines. The focus of the Research Chair in Genetic Tailoring of Biopolymers is on gene discovery for the biosynthesis of polymers and to use those genes in different biological expression systems to synthesize novel biomaterials for all kinds of industrial application.

Contact person: Prof Jens Kossmann
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SA Research Chair in Postharvest Technology

The South African Research Chair in Postharvest Technology was established in 2009. The primary goal of the Chair is to undertake cross-cutting innovative research and human capacity development to support South Africa's agricultural and horticultural postharvest sectors.

The Chair's research program focuses on three interrelated themes: (a) Development of cold-chain technologies for fresh produce handling, including packaging, (b) Non-destructive quality measurement and control, and (c) Food security, including the mapping and reduction of postharvest losses along the food chain. There is a very strong focus on postgraduate research and mentoring as an integral part of the human capacity development objective. The Chair also provides a common platform for institution-wide interaction and multi-disciplinary programs among research in different faculties working on the various links in the postharvest food value chain''

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**SA Research Chair: Photonics
– Ultrafast and Ultra-intense
Laser Science**

The research of the chair currently focuses on the experimental investigation of the primary and elementary interaction of light with molecules exploiting different methods of ultrafast spectroscopy.

The focus is to observe and try to understand initial intramolecular dynamics after the absorption of light energy in real time, and head to transfer the fundamental new knowledge about chemical processes to the design of new molecules optimized for various purposes. Conventional techniques of femtosecond spectroscopy are applied, as well as the novel method of ultrafast electron diffraction.

The second aspect of the chair, ultra-intense laser physics, is the science of particle acceleration with light to relativistic energies and its application in plasma, nuclear and energy physics. It requires significantly larger infrastructures and therefore enthusiastic support from a broader South African physics community, as it is the case in Europe and North America.

Advertisement of this field has already lead to the Photonics Initiative of South Africa as a first step towards a high intensity laser facility.

**Contact person: Professor Heinrich
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**SA Research Chair
Posttraumatic Stress Disorder**

Post-traumatic stress disorder, also known as PTSD, is a chronic, serious and debilitating psychiatric disorder that occurs following exposure to life-threatening traumatic events (such as rape, physical assault, domestic violence and hijackings).

The Chair in PTSD has a strong gene-brain-behaviour research focus, and aims to identify - through state-of-the-art genetic and brain imaging methods—genetic, biological and environmental factors that are contributory to increasing or decreasing a person's risk for developing PTSD once he or she has been exposed to trauma.

Contact person: Prof Soraya Seedat
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**SA Research Chair in
Experimental Petrology**

South Africa's geological record contains an amazing wealth of information on the formation and evolution of Earth continental crust, as well as the formation of several of Earth most spectacular accumulations of mineral wealth. Several of these features are very amenable to study via an experimental approach whereby appropriate rock material is synthesised at the extremes of pressure and temperature found deep within our planet. This work is the focus of the Research Chair and is conducted in the Experimental Petrology Laboratory in the Department of Earth Sciences at Stellenbosch University, the only laboratory of this kind in Africa.

**Contact person: Prof Gary
Stevens; Geology, Geography and
Environmental Studies**
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SA Research Chair in the Economics of Social Policy

The Research Chair in the Economics of Social Policy at the University of Stellenbosch is held by Professor Servaas van der Berg. Under this Research Chair, a group of researchers studies aspects of social policy and provide policy advice in the South African and wider African contexts, with a strong emphasis on quantitative, policy relevant research. A large part of recent research has focused on the Economics of Education. However, the research also covers aspects such as poverty and inequality, the labour market, social grants, health policy, housing and municipal infrastructure.

Contact person: Prof Servaas van der Berg
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SA Research Chair in Property Law

The research focus of the Chair is the development of a new Property Law for the new South Africa and is aimed particularly at exploring the role of property law in the new constitutional dispensation, a reconsideration of the implications of common law property law and the building of academic capacity in this legal field.

To pursue this goal the Chair's aims are the development of (a) new knowledge, (b) a new basic academic text, and (c) a new generation of scholars in the general field of Property Law. The goal of the Chair is to undertake and stimulate research that would help position Property Law, once a central factor in entrenching social and economic structures of inequality under apartheid, to play a meaningful role in the political, social and economic transformation that is taking place in the country.

Contact person: Prof Andre van der Walt
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SA Research Chair in Genomics to Nutrionomics

It is well known that environment and genetics influence the meat quality and nutritional value of red meat. These factors also influence the processing of fresh meat into value added products. The research process followed is a farm to fork approach. The Chair works on the interaction between three focus areas (production/ animal, fresh meat and processed meat/products). This research not only has the potential to produce

higher quality meat products for the average consumer but will also focus on lower socio economic groups. There will also be emphasis on research regarding emerging abattoirs in rural areas. This is where the co-host of this Chair, the University Of Fort Hare, will play a key role.

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SA Research Chair in Energy Research

The vision for the Chair in Energy Research is to establish second-generation technologies for the production of biofuels, specifically through microbial hydrolysis and fermentation, pyrolysis and gasification of lignocellulose. In support of this vision, the Chair has initiated interaction with various role players in SA to market the activities of the Chair, but also to develop partnerships to strengthen the South African biofuels initiative in general.

Contact person: Prof Emile van Zyl
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SA Research Chair in Mechanistic Modelling of Health and Epidemiology

The focus of the SA Research Chair in Mechanistic Modelling of Health and Epidemiology, linked to the South African Centre for Epidemiological Modelling and Analysis (SACEMA), is to provide a mechanistic modelling approach with more predictive strength to pharmaceutical drug and intervention steps for individual and public health. The currently used mathematical models are largely phenomenological and a prediction of the effect of a pharmaceutical drug for the whole body disease state is not possible. The focus point for application of the mechanistic models is to underpin national scenario modelling for infectious disease epidemiology, which is the core of the SACEMA mandate.

Contact person: Prof Jacky Snoep
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SA Research Chair in Integrated Wine Sciences

Through the Research Chair in Integrated Wine Sciences, Prof Florian Bauer intends to significantly strengthen and expand the existing

research value chain at Stellenbosch University, which links cutting-edge fundamental scientific investigations in molecular and cellular biology to biotechnological innovation and industrial application in the South African wine and other agro-processing industries.

The major research focus of the Chair is directed towards a better understanding of the microbiological transformation of natural raw materials, such as grape juice, into value added products such as wine, and more specifically towards the yeast *Saccharomyces cerevisiae*. The scientific programme also provides support towards extending the application of novel scientific tools of global molecular analysis ("omics") to other fields such as plant and bacterial biotechnology, and develop the essential skills that are required in data interpretation and data analysis of large data sets within an integrated research approach.

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South African Research Chair in Mycobacteromics

The overarching research aim of the Chair in Mycobacteromics is to perform in-depth characterization of clinical strains of *M. tuberculosis* and other mycobacterial species isolated from humans and animals on the African continent. This will be achieved by exploiting advanced "omics" technologies (including next-generation whole genome sequencing, transcriptomics and proteomics), integrating the data obtained using computational approaches. Knowledge gained will support the goal of an improved understanding of mycobacterial biology and TB host-pathogen interactions, aiding the rational design of novel and effective TB vaccines, diagnostics and therapeutics.

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South African Research Chair in TB Biomarkers

A biomarker is a characteristic that is objectively measured and evaluated as an indicator of normal biologic processes, pathogenic processes or pharmacologic responses to a therapeutic intervention. The team is working on the discovery of biomarkers that can serve as tools in the fight against tuberculosis (TB). The need for host biomarkers for TB arises from the lack of suitable tests for detection of the *Mtb* organism or its products in host samples. Host biomarkers, in particular host biosignatures of multiple markers associated with inflammation, may offer important clinical management and clinical trial application as correlates of risk and of protection against active disease, diagnosis of active TB, and response to therapy. The team will apply modern analytical techniques to our well-characterised sample repositories to generate large data sets that will allow biomarker discovery through appropriate bioinformatic applications.

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SA Research Chair in Animal Tuberculosis

The Research Chair's focus will investigate various aspects of animal tuberculosis, including the human-livestock-wildlife interface to understand the magnitude of the problem and develop policies and practices to decrease impact in our populations of humans and animals. Amongst the activities will be diagnostics and disease dynamics, aimed in some cases at rare and endangered species. These are potentially threatened due to the ingress of this alien disease into our wildlife and domestic stock.

The five-year research programme will address animal TB in a multi-pronged approach by improving knowledge of specific aspects of disease pathogenesis, diagnostic techniques and their applications to potential control strategies; investigate diversity, epidemiology, and disease impact of mycobacterial organisms in animals to understand the implications and role in the ecosystem; and determine impacts of TB at animal-human interfaces.

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SA Research Chair in Mathematical and Theoretical Physical Biosciences

The Chair has as its aim to establish the multidisciplinary field of Mathematical and Theoretical Physical Biosciences as a distinct research strength in South Africa. This would strengthen the existing research activities in Mathematical Sciences and Theoretical Physics at Stellenbosch University and at AIMS-SA, and stimulate interaction between them. Specific goals include:

- (a) to establish the field of Mathematical and Theoretical Physical Biosciences as a research strength in South Africa and as a new knowledge area for students from South Africa and broader Africa;
- (b) to promote academic excellence by producing well-cited innovative research outputs, and engaging in multidisciplinary relevant research projects;
- (c) to build knowledge and research partnerships in South Africa between the fundamental disciplines of Mathematics and Theoretical Physics and the experimental

biosciences; (d) play an active role in South Africa's research and development by supporting experimental research in the traditional biosciences since it is increasingly recognised that complex nonlinear interactions (on the cellular, subcellular and molecular levels) arising in biological systems will best be understood through mathematical and theoretical physical models;

- (e) to build scientific and intellectual capacity in Africa by developing and helping appoint human capital in Mathematical Sciences and Theoretical Physical Sciences which are areas where skills are scarce but extremely important;
- (f) to promote institutional diversity by providing highly-talented, well-trained doctoral graduates from all over Africa.

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South African Research Chair in Social-Ecological Systems and Resilience

Better understanding of social-ecological systems and resilience is being demanded by policy and governance processes at national and international levels to help tackle pressing social and environmental sustainability challenges around the world. However, theoretical conceptualization of this area is still relatively underdeveloped, as are transdisciplinary methods for studying social-ecological systems in ways that integrate approaches from the social and natural sciences while simultaneously engaging with stakeholders outside academia. Furthermore, much of the empirical work to date has been carried out in developed countries, where the issues and contexts often differ substantially from those in the developing world. This Chair aims to contribute to addressing these theoretical, methodological and empirical gaps, specifically contributing a southern African perspective, and in the process develop an internationally recognized hub of excellence in this field situated in South Africa.

Research under the Chair will be built around four core themes:

- 1) Advancing social-ecological systems and resilience theory and methods through critical syntheses;
- 2) Empirically documenting and analysing regime shifts and tipping points in southern Africa, focusing on impacts on ecosystem services and human well-being;
- 3) Analysing and supporting sustainability transformations in the region, and
- 4) Supporting the development of regional transdisciplinary research networks and capacity in the area of social-ecological systems and resilience research.

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South African Research Chair in Sociology of Land, Environment and Sustainable Development

The central concern of this research programme is to deepen our understanding of the complex web of social and environmental dynamics within which commitments to sustainable development must be grounded, through an investigation of these issues in and through the Karoo region of South Africa. The Karoo region is a compelling research site in itself, given its particular history and environment. It is of further interest because of several globally networked developments that are promising major social and economic benefits both locally

and nationally, and recalibrating relationships to land, environment and place. Prominent here are the Square Kilometre Array (SKA) radio telescope installation north of Carnarvon, the impacts of which extend far beyond the core astronomical site, and the possible exploration of the commercial viability of shale-gas mining across several large 'operator permit' zones. These interventions warrant sustained, sociologically informed, inter-disciplinary research that looks at their significance on their own terms as well as comparatively.

Contact person: Prof Cheryl Walker
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The impacts of the Square Kilometre Array (SKA) radio telescope installation north of Carnarvon extend far beyond the core astronomical site



South African Research Chair in Gender Politics

Up until 2015 there has been no SARChi Chair that deals with the politics of gender inequality and gender transformation in South Africa. A Chair in Gender Politics will broaden research access for gender scholars. Feminist research done from a feminist praxis always contributes to societal impact. Most serious societal problems in South Africa are deeply gendered problems (such as gender-based violence, poverty, land and health issues). Feminist research contributes to try and find solutions/interventions for these problems. In order to deliver a better understanding of women's citizenship, research of the Chair in Gender Politics will focus on the experiences of women in the political system through (1) representation; (2) the accommodation of their needs and demands in governmental policies and (3) women's activism that mobilize demands so that these demands can be included on the political/policy agenda. Students will have to grapple with theories/ research of representation and quota systems, as well as theories/

research that will be linked to policy analysis. In the third instance students will engage theories/ research of social movements in the developing world.

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South African Research Chair in Paediatric Tuberculosis

Prof Anneke Hesselting, Director of the Paediatric TB Research Programme at the Desmond Tutu TB Centre, Department of Paediatrics and Child Health, is the Chair in Paediatric Tuberculosis. Her group's research program has had considerable impact on the global research agenda and policy recommendations for paediatric TB, including novel approaches to the diagnosis, treatment and prevention of TB and MDR-TB. The SARChi Chair in paediatric tuberculosis will focus on the evaluation of 1) improved and safe TB preventive and treatment strategies in HIV-infected and uninfected children. Evaluation of novel drug regimens for MDR-TB prevention and treatment will be a key priority. Other research focus areas include the 2) improved TB diagnosis in

children including novel diagnostics and biomarkers, 3) evaluation of novel TB vaccine strategies, and 4) implementation science research to improve the care and recording and reporting of TB in children.

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South African Research Chair in Integrative Skeletal Muscle Physiology, Biology and Biotechnology

Skeletal muscle function underpins human physical activity, health and well-being. Muscle weakness impairs the ability to move and has severe consequences for our dignity and quality of life. Prof Kathy Myburgh's research aims to close the gap between an in-depth understanding of the biological effects of trauma, inflammation and disease on skeletal muscle cells and the well-known ability of muscle to gain strength and regenerate from injury. Two properties of skeletal muscle that are fascinating are its ability to adapt for peak athletic performance and the fact that it has its own pool of adult stem cells. In Prof Myburgh's laboratories, postgraduate students and postdoctoral fellows study



these aspects of skeletal muscle at three complementary levels: whole body physiology (real humans), cellular and molecular biology (tissue and cells in culture dishes) and biotechnology (manipulation of regeneration). This multi-layered combination of expertise is unique in South Africa and uncommon worldwide.

Contact person: Prof Kathy Myburgh
Email: khm@sun.ac.za

H.F. Oppenheimer Chair in Human Rights Law

Prof Sandra Liebenberg is the third incumbent of the H.F. Oppenheimer Chair in Human Rights Law based at the Law Faculty of Stellenbosch University. The Chair was endowed by the Oppenheimer Foundation during the period of transition to a constitutional democracy in South Africa. The aim of the Chair is to contribute to deepening a human rights culture in South Africa through high quality research and contributing to public debate and advocacy on human rights.

Contact person: Prof Sandra Liebenberg
Email: sliebenb@sun.ac.za

SANRAL Chair in Pavement Engineering

The SANRAL Chair in Pavement Engineering is located in the Geotechnical and Transportation Division of the Department of Civil Engineering. There are three institutes within this Department, and the incumbent of this Chair (which is sponsored by the National Roads Agency), Professor Kim Jenkins, carries out his research within the Institute for Transport Technology (ITT).

This institute has broad-based research interests from transportation studies, traffic safety and geometrics through to pavement materials and technology. Professor Jenkins' research group is focused on the performance of pavement materials and structural considerations for road pavements. He has a particular interest in recycled materials, road rehabilitation, sustainable technologies and environmental considerations, including energy measurements.

Contact person: Prof Kim Jenkins
Email: kjenkins@sun.ac.za

Anton Mostert Chair of Intellectual Property

Prof Owen Dean, probably the leading expert in the field of Intellectual Property in South Africa is the first incumbent of the Chair. The Chair will make a unique contribution – particularly in relation to the implementation and functioning of intellectual property law in the international context and the challenge posed by a borderless world of internet-based digital communication to traditional views on intellectual property. High-level theoretical and practically relevant expertise, is envisaged for the Chair, with the implementation and distribution thereof by means of publications, conferences and workshops.

The Chair furthermore entails capacity building through undergraduate and postgraduate legal training; and the development of expertise in intellectual property law among non-lawyers, such as businesspeople, computer programmers and artists, particularly by means of computer-based distance teaching technology and an involvement in legal development and reform, both nationally and internationally.

Contact person: Prof Owen Dean
Email: odean@sun.ac.za



Agricol Chair in Agronomy

This Chair addresses the shortage in talented plant breeders and agriculturalists in South Africa and on the continent. Prof Nick Kotzé, former managing director of the seed company Agricol, holds the Chair based in the Department of Agronomy. The Chair will help expand research and development in the seed industry, and increase product knowledge and opportunities for further training.

Contact person: Prof Nick Kotzé
Email: tnkotze@agricol.co.za

ERWAT Research Chair in Wastewater Management

The Stellenbosch University Water Institute (SUWI) was selected to host the ERWAT Chair in Wastewater Management. The goal of this 5-year programme, which started in 2013, is to foster partnerships in water research utilisation and training, with specific objectives including:

- a) Training of scientists, engineers, and technical personnel to serve the environmental industry;
- b) Focused fundamental and applied research to address

problem areas specific to ERWAT, and more generally, water utilization;

- c) Formation of partnership with other research and funding institutions;
- d) Enhancing ERWAT's competitive advantage and visibility through targeted research and dissemination of results.

In line with SUWI's multidisciplinary nature, the ÉRWAT Chair presents the opportunity to work towards scientific and technical advances against the backdrop of environmental and socio-economic realities, and in this regard there is a strong commitment to forge interaction with social sciences and humanities to train tomorrow's leaders in environmental policy and management – an approach that gains significant momentum at leading universities worldwide.

Contact person: Prof Gideon Wolfaardt
Email: gmw@sun.ac.za

Scatec Solar Chair in Photovoltaic (PV) Systems

The Chair is supported by Norwegian global solar energy provider Scatec Solar – the first company to supply electricity to South Africa's national grid under the country's Renewable Energy Independent Power Producer Programme. This Chair will enable SU to expand its role in renewable energy research focusing on optimising electricity generation from PV plants, and will provide support to the PV industry. The Chair will form partnerships with other research institutions in the general field of PV systems.



NRF-Rated researchers

Stellenbosch University is very proud of its 371 rated researchers. The evaluation and rating of individual researchers is a peer-review system administered by the NRF (www.nrf.ac.za) to measure the quality of an individual's research outputs over a period of eight years.

The evaluation is undertaken by national and international reviewers who are requested to critically scrutinise the research completed during the assessment period, and the NRF rating is then used as a national indicator of research excellence.

Those individuals recognised by their peers to be world leaders in their respective fields are A-rated scientists. We would like to introduce them to you:

Prof Steven Chown

Chown is an extraordinary professor in the Department of Botany and Zoology. He is engaged in biogeographic and macroecological studies, macrophysiology, spatial ecology, invasion biology and the integration of these fields. His work has led to contributions to research papers, commentaries/editorials, book chapters, a co-written scientific book (among the American Library Association's top academic titles for 2005 and winner of the Altron/ Bill Venter Literary Award 2009), an edited scientific book and two co-written popular books. He received the SU Rector's Award for Research Excellence (2003, 2009) and was elected as a fellow of the Royal Society of South Africa (2006).

Email: slchown@sun.ac.za

Prof Dave Richardson

Richardson is the director of the DST-NRF Centre of Excellence for Invasion Biology and professor in the Department of Botany and Zoology. He is the editor-in-chief of *Diversity and Distributions* and member of numerous editorial boards and international committees, such as the IUCN Species Survival Specialist

Group on Invasive Organisms. He is an expert in invasion ecology, particularly tree and shrub invasions, and works on the development of practical management guidelines for the management of invasive species. His research has been recognised through several awards including the Hans Sigrist Prize (2006) for outstanding contributions in the field of biological invasions, the John F Herschel Medal from the Royal Society of South Africa (2012), and Havenga Prize for Life Sciences from the South African Academy of Science and Arts (2013). In 2013 he was listed as Highly Cited Researcher by Thomson Reuters.

Email: rich@sun.ac.za

Prof Jannie Hofmeyr

Prof Jannie Hofmeyr Hofmeyr is professor of biocomplexity and biochemistry in the Department of Biochemistry. His research of the past 25 years has been on computational systems biology, with regulatory design of metabolism as the main focus. He established the Centre for Studies in Complexity with the late NRF A-rated philosopher Prof Paul Cilliers in 2009. He received the

SU Vice-Chancellors Award for Outstanding Research (1999), and the Harry Oppenheimer Fellowship Award (2002). He was awarded the Beckman-Coulter Gold Medal for Biochemistry in South Africa (2003) by the South African Society for Biochemistry and Molecular Biology. He was elected a member of the Academy of Science of South Africa (2001), and a fellow of the Royal Society of South Africa (2003).

Email: jhsh@sun.ac.za

Prof Len Barbour

Barbour is a professor in the Department of Chemistry and Polymer Science. His research group uses crystal engineering to design new functional materials. He is particularly interested in the non-covalent encapsulation of small compounds by molecular assemblies. In 2006, he was awarded the DST-NRF Research Chair in Nano-structured Functional Materials. He is on the editorial advisory board for the RSC journal *New Journal of Chemistry* and the editorial advisory boards for *CrystEngComm* (RSC) and *Crystal Growth and Design* (ACS). In 2007 he received the SU Rector's Award for Excellence in

Research. In 2008, he received the prestigious NSTF award for research and its outputs over the past five years, and was elected as a fellow of the Royal Society of South Africa. In 2013 he was elected as a Fellow of the Royal Society of Chemistry and received the SASOL Innovator of the Year award.

Email: ljb@sun.ac.za

Prof Bert Klumperman

Klumperman has held the DST-NRF Research Chair in Advanced Macromolecular Architectures in the Department of Chemistry and Polymer Science, since 2007. He started his career as a research associate at DSM Research in Geleen, Netherlands, and his academic career at Eindhoven University of Technology, the Netherlands. He focuses on living radical polymerisation, advanced macromolecular architectures, and the use of polymers for biomedical applications. He is an editor of the European Polymer Journal. He serves on three task groups and working parties of the International Union of Pure and Applied Chemistry. He was elected a fellow of the Royal Society of South Africa (2012), and

received the SU Rector's Award for Excellence in Research (2009) and the Gold Medal of the South African Chemical Institute (2013).

Email: bklump@sun.ac.za

Prof Peter Donald

Prof Donald is emeritus professor in Paediatrics and Child Health at the Faculty of Health Sciences. He entered the terrain of tuberculosis research 30 years ago, and is recognised as a world leader and a prominent clinical researcher in South Africa today. Prof Donald specialises in different aspects of tuberculosis, including epidemiology, paediatrics and TB meningitis. He is on the forefront regarding research on child tuberculosis and the combined TB-HIV epidemics in SA. His work has laid the foundation for the clinical evaluation of the first new anti-tuberculosis drugs to be developed in 40 years. Without this initial groundwork in developing the technique of determining the early bactericidal activity of anti-tuberculosis drugs in conjunction with pharmacokinetic studies, the evaluation of these new agents could not have been undertaken so expeditiously.

Email: prd@sun.ac.za

Prof Helmut Proding

Proding is professor in mathematics and an honorary professor at the Technical University Graz, Austria. His interests include the analysis of algorithms, number theory and combinatorics. He received the Foerderungspreis of the Austrian Mathematical Society (1985), a gold medal from the South African Mathematical Society (2001), the 2001 research award of the vice-chancellor of the University of the Witwatersrand, and the award for research distinction from the South African Mathematical Society (2003). He publishes widely, and serves as editor and referee for several research journals.

Email: hproding@sun.ac.za

Prof André van der Walt

Van der Walt holds a Tier I DST-NRF Research Chair in Property Law, located in the Faculty of Law. He focuses on modern Property law, property theory, constitutional property, land reform and the development of the common law and legislation on property. He received the Von Humboldt Award for postdoctoral research in Germany four times, most recently

in 2010, and was elected as visiting fellow commoner at Trinity College, Cambridge (2004, 2010). He is a Fellow of the Academy of Sciences of South Africa and of the Royal Society of South Africa. He is external referee for various South African and foreign law journals. His publications include Constitutional Property Clauses: A Comparative Analysis (1999), Constitutional Property Law (2011), The Law of Neighbours (2010), Property and Constitution (2012) and Property in the Margins (2009).

Email: ajvdwalt@sun.ac.za

Prof Terry Robinson

Robinson is a professor in the Department of Botany and Zoology. He obtained his doctorate from the University of Pretoria and completed a one-year postdoctoral fellowship at the University of Texas MD Anderson Cancer and Tumor Research Institute, Houston. He was a research associate in the Institute for Molecular Genetics, Baylor College of Medicine, for many years. He sits on the IUCN Species Survival Specialist Groups on Lagomorpha and Afrotheria, and is an executive committee

member of the World Lagomorph Society. He researches evolutionary genetics and chromosome biology, and was visiting professor at the University of Montpellier II (2009), CNRS visiting research fellow at the same university (2009/10) and was awarded the SU Rector's Award for Excellence in Research (2010).

Email: tjr@sun.ac.za

Prof Cornie van der Merwe

Van der Merwe is a senior research fellow at the Department of Private Law in the Faculty of Law. He presents courses in international apartment ownership in the LLM programme and in sectional titles for the final year LLB class. His main research focus is the law of property, sectional titles, Roman law and European legal history. He is also emeritus professor of civil law at the University of Aberdeen where he works in the first semester of each year.

Email: cgvdm@sun.ac.za

Prof Michael Samways

Samways is a professor in the Department of Conservation Ecology and Entomology. He is

a fellow of the Royal Society of South Africa, sometime fellow of the University of KwaZulu-Natal, and member of the Academy of Science of South Africa. He is very involved internationally on matters of conservation, especially of insects. He was awarded the John Herschel Medal by the Royal Society of South Africa, the Gold Medal by the Academy of Science of South Africa, the senior Captain Scott Medal by the South African Academy of Science and Arts, and Citation of Excellence by the World Conservation Union /Species Survival Commission. He has authored 345 scientific publications, and 15 Special Issues and books, including the bestsellers Biological Control of Pests and Weeds, Insect Conservation Biology, Insect Diversity Conservation, and Insect Conservation: A Handbook of Approaches and Methods.

Email: samways@sun.ac.za

Prof Simon Schaaf

Schaaf is a clinical researcher from the Department of Paediatrics and Child Health. As one of the early researchers into drug-resistant tuberculosis (DR-TB), Schaaf's

work has helped to broaden the understanding and management of this disease, particularly in children. He has also made inroads into the area of TB and HIV co-infection. Schaaf considers clinical research as an important component for the successful treatment of patients. As international expert in the handling and treatment of MDR-TB in children, he consults worldwide.

Email: hss@sun.ac.za

Prof Wentzel van Huyssteen

Prof Wentzel van Huyssteen is an extraordinary professor in the Faculty of Theology. He holds an MA in Philosophy from Stellenbosch University, and a DTh in Philosophical Theology from the Free University of Amsterdam. His areas of academic interest include interdisciplinary theology, theology and science, and religion and scientific epistemology. Van Huyssteen teaches courses on the role of worldviews in theological reflection, faith and culture, theology and the problem of rationality, theology and cosmology, and theology and evolution, theology and neuroscience, and the scientific roots of theological

anthropology. He serves on the editorial boards of the American Journal of Theology and Philosophy, the Nederduits Gereformeerde Teologiese Tydskrif, the Journal of Theology and Science, and is co-editor of The Science and Religion Series (Ashgate Press), as well as the Templeton Science and Religion Series.

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P-rated researchers

The NRF awards a P-rating to young researchers (normally younger than 35 years of age), who have held the doctorate or equivalent qualification for less than five years at the time of application and who, on the basis of exceptional potential demonstrated in their published doctoral work and/or their research outputs in their early post-doctoral careers are considered likely to become future leaders in their field.

Dr Reinette Biggs

As a Branco Weiss fellow, Dr Reinette Biggs studies regime shifts – large, abrupt, long-lasting changes in the dynamics of coupled social-ecological systems that can have dramatic impacts on human economies and societies. Reinette's goal is to develop practical scientific theory, methods and insights that can improve society's ability to anticipate high-impact tipping points, and build resilience to undesirable changes.

Email: oonsie@sun.ac.za

Dr Chang Hui

Dr Hui is based at the Centre for Invasion Biology (CIB) at Stellenbosch University. His research focuses in three specific areas. First, spatial patterns caused by organism-environment feedback and biotic interactions, second, the scaling patterns of species distribution and biodiversity and finally, estimating rates of spread from a dispersal kernel. These three areas of research all serve to clarify the relationship among patterns, scales and dynamics in ecological systems.

Email: chui@sun.ac.za

Dr John Terblanche

Dr Terblanche is a senior lecturer in the Department of Conservation Ecology and Entomology. His research has focused on understanding the factors affecting climatic stress resistance in insects and the potential implications for climate change. A large amount of this work has been undertaken on tsetse flies (*Diptera, Glossinidae*) as a model for vectors of disease in Africa.

Email: jst@sun.ac.za

For a full list of SU NRF-rated researchers, please visit www.sun.ac.za/research.



International Partnerships and Networks

Stellenbosch University has an established multi-layered international partnership network which complements the extensive academic networks of individual researchers and research groups in academic departments.

On the African continent we engage with the international academic world through well-functioning bilateral university agreements and multilateral academic consortia. The Postgraduate & International Office (PGIO) plays a central role in managing and implementing these activities and therefore creates a framework for research collaboration and numerous international mobility opportunities for staff and students, especially postgraduate students.



Through the institutionalisation of the African Doctoral Academy (ADA) in the PGIO, in 2014, the university takes greater strides to help address the continent's need for increased research production and development of higher education. The ADA serves to coordinate and strengthen excellence in doctoral education at Stellenbosch University. This is achieved by utilising local and international expertise on doctoral research to provide doctoral support at SU and at her partner institutions elsewhere in South Africa, Africa and internationally. To date the principal mechanism for doctoral support has been the bi-annual ADA Summer and Winter Schools in research methodology and academic development. Since 2009 leading scholars have presented weeklong courses to doctoral candidates on topics ranging from PhD preparation, key concepts in methodology, academic writing skills, the use of qualitative and quantitative tools, survey and interview methods, publishing articles, and preparing for a research career, including training in doctoral supervision.

On an institutional level Stellenbosch is a member of the following organisations and networks:

The Association of African Universities (AAU)

www.aau.org

The Association of Commonwealth Universities (ACU)

www.acu.ac.uk

Agence Universitaire de la Francophonie (AUF)

www.auf.org

African Network of Scientific and Technology Institutions (ANSTI)

www.ansti.org

The Southern African-Nordic Centre (SANORD)

<http://sanord.uwc.ac.za/>

Academic Consortium 21

www.ac21.org

African Research Universities Alliance (ARUA)

Our bilateral partnerships include agreements with prominent institutions in Kenya, Uganda, Ghana, Tanzania, Botswana, Namibia, Mozambique, Germany, the Netherlands, Belgium, Sweden, Norway, Denmark, Finland, Italy, France, Austria, Switzerland, the UK, the USA, Canada, Mexico, Australia, PR China, Brazil and Singapore. The activities range from single research projects to comprehensive collaboration including research projects, mobility of staff and students.

More information on the scope of each bilateral partnership is available from the PGIO website. The website also details the financial resources available to support the

activities with partners for example the Africa Collaboration Grant as well as funding for student and staff mobility.

Multilateral networks and consortia contribute significantly to our international profile and create an international environment for concerted academic work. Some of the consortia further strengthen the bilateral partnerships discussed above.

PANGeA

The Partnership for Africa's Next Generation of Academics is a partnership between the universities of Stellenbosch, Makerere, Botswana, Nairobi in Kenya, Dar es Salaam in Tanzania,

Malawi, Ghana and Yaoundé I in Cameroon. Among others, they develop research capacity on site, participate in exchange schemes, workshops and training seminars alternated between the various partner campuses, joint projects and supervision. In the long run they aim to establish joint doctoral degrees..

www.pangeaonline.org

TRECCAfrica I and II

The Trans-disciplinary Training for Resource Efficiency and Climate Change Adaptation in Africa consortium is an EU Intra-ACP mobility programme and creates a framework for postgraduate study opportunities for 72 postgraduate students and active academic



Stellenbosch University provides excellent opportunities to postgraduate students to add a relevant international dimension to their studies

collaboration addressing climate change and resource depletion in Africa. The success of the consortium, TRECCAfrica I, was reflected when the call was renewed through 100 positions in TRECCAfrica II.

The consortium consists of Stellenbosch University, Mekelle University (Ethiopia) and the universities of Ghana, Nigeria, Nairobi, Dar es Salaam and the addition of the University of Botswana in TRECCAfrica II. The partnership equally enjoys the technical and advisory support of its Technical and Affiliated Partner, Lund University in Sweden.

TRECCAfrica II builds on the success of TRECCAfrica I and creates a framework for postgraduate study opportunities for 100 postgraduate students and active academic collaboration. The addition of a new partner, the University of Botswana the expansion into North Africa via the associated partner Heliopolis University and technical partner, Lund University (Sweden) stand as signs of the growth and development of the consortium

into a robust academic network. Additional sustainability elements here have and will continue to improve curricula, enhance supervisory skills and capacity, and develop a common framework to address food security in the light of climate change and resource efficiency in Africa.

<http://www.treccafrica.com/>

Periperi U

The Partners Enhancing Resilience for People Exposed to Risks network is a platform for university partnership to reduce disaster risks in Africa with a special focus on advancing university action on risk and vulnerability reduction in Africa.

Periperi U uses a multi-disciplinary and trans-boundary approach, aimed at building sustainable 'multi-tasking' capabilities in disaster risk and vulnerability reduction capacity building in 10 selected African institutions, including Bahir Dar University (Ethiopia), University of Science and Technology Houari Boumediene (Algeria), Ardh University (Tanzania), Makerere University (Uganda), University of Ghana, Universidate Técnica de

Mocambique (Maputo), University of Antananarivo (Madagascar), Moi University (Kenya) and Gaston Berger University (Senegal).

The network is coordinated by the Research Alliance for Disaster and Risk Reduction (RADAR), at Stellenbosch University.

<http://riskreductionafrica.org/>

AFIMEGQ

African for Innovation and Mobility, Exchange, Global, Quality Africa consortium is an EU Intra-ACP mobility programme is a mobility project with an innovative approach to higher education and in line with the strategy of the African Union and the European Union. This project focuses on training and research, involving the five regions of Africa, 10 partner universities and 10 associate members from 13 African countries covering four working languages (Arabic, French, English and Portuguese) and six European countries (EU). AFIMEGQ takes its name from the Pidgin language in West to Central Africa, which literally means "I can do it." The project aims to exchange students and scientists



in various scientific fields using a multidisciplinary approach between the concepts "live well (activities related to development) and live long (emerging concept of One Health)."

The consortium partners consists of: University of Yaounde I, Cameroon (Coordinator); Université Mohammed Ier, Oujda, (Morocco); ENIT - Université Tunis El Manar, (Tunisia); University of Nairobi, (Kenya); EiABC, University of Addis Ababa- (Ethiopia); Université Cheikh Anta Diop, Dakar, (Sénégal); Université de Ndjamen, (Tchad); Université de Kinshasa (Rép. Dém. du Congo); Stellenbosch University, (South Africa); Copperbelt University, Kitwe, (Zambia); and Technical Partner :Université de Lille I, S&T, (France).

<http://www.afimegq.org/>

SHARE

Sharing Capacity to Build Capacity for Quality Graduate Training in Agriculture in African Universities is a partnership of 12 African Universities in Eastern, Central, Southern and Western Africa lead by Makerere University in Uganda. The members of the partnership are Stellenbosch University (South Africa), Haramaya University (Ethiopia), Makerere University (Uganda), Eduardo Mondlane University (Mozambique), University of Zambia (Zambia), Gezira University (Sudan), Jomo Kenyatta University of Science and Technology (Kenya), Lilongwe University of Agriculture and Natural Resources (Malawi), University of Burundi (Burundi), Abomey Calavi University (Benin), and University of Cape Coast (Ghana), University of Port Harcourt (Nigeria). The Regional Universities Forum for Capacity Building in Agriculture (RUFORUM), Association for African Universities (AAU) and Inter Universities Council for East Africa (IUCEA) are associate partners. The Project has been financed under the Intra ACP Academic Mobility Scheme. The project supports staff

and students exchange in various disciplines of agriculture within and outside the 12 member countries of the partnership.

<http://africasharecapacity.com/>

PAFROID

Inter-university partnership between Africa and the Indian Ocean for Development is a project which has been funded with support from the European Commission Intra-ACP academic mobility programs. The project aims to develop partnerships of Higher Education Institutions (HEIs) in the Indian Ocean region, with HEIs in continental Africa. It is coordinated by the University of Antananarivo, (Madagascar); with members of the partnership including: Institut Supérieur de Technologie d'Antananarivo, (Madagascar); Université d' Antsirana, (Madagascar); University of Mauritius, (Mauritius); Université des Comores, (Comores); Stellenbosch University, (South Africa); Université de Yaounde I, (Cameroon); Université de Ouagadougou, (Bukina Faso); Université Cheik Anta Diop de Dakar, (Senegal); Université

Ibn Tofail-Kenitra, (Morocco); Université de Lome, (Togo); and with the University of Reunion (France) as a technical partner; The mobilities consists of masters, doctoral, academic and administrative staff exchanges. The themes are focused on science, engineering, energy and agriculture priority areas in the development of African countries.

<http://www.pafroid.mg/>

P4HPT

The Partnering for Health Professional Training in African Universities (P4PHT) project, coordinated by the University of Ghana is an academic mobility project which aims at building capacity of professionals with a view to expand the health workforce size in the target countries and subsequently improve well-being of communities through: improving health and quality of life of the communities through the prevention and treatment of disease; promoting healthy behaviours of the communities through Public Health Education; carry out surveillance and epidemiological studies for informed decision making; promote

environmental health through sensitization programmes; lead and manage health institutions effectively and efficiently; and, promoting research and advocacy for appropriate health policies.

The partnership is composed of; University of Ghana, Ghana (Coordinating Institution), the universities of Burundi, Juba (South Sudan), Lesotho, Nairobi (Kenya) and Eduardo Mondlane (Mozambique), Makerere University (Uganda), Uganda Martyrs University, Stellenbosch University, (South Africa), Moi University (Kenya) and the Université Catholique de Bukavu (Democratic Republic of Congo).

<http://www.ug.edu.gh/p4hpt/>

RUFORUM

The Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) is a consortium of African universities operating within 22 countries. RUFORUM is coordinated by a Secretariat hosted by Makerere University in Kampala, Uganda. It has a mandate to oversee graduate training and networks of specialisation in the Common

Market for Eastern and Southern Africa (COMESA).

RUFORUM supports universities in contributing to the wellbeing of small-scale farmers and economic development of countries throughout the sub-Saharan Africa region. Through partnership in the RUFORUM network, Stellenbosch University is connected to 40 partner universities on the continent.

www.ruforum.org

The goal of SU's approach to international academic networking is to support and participate in sustainable academic networks that will contribute relevant knowledge for Africa's immense developmental potential in the decades to come. To benefit from these current and future opportunities, SU needs to continuously solidify its position as an African knowledge institution of choice. This will best be achieved with well supported and well-coordinated academic networks incorporating public and private partners from the African continent and elsewhere.

Ultimately SU would like to facilitate national, intra-African and Africa-global networks, by encouraging African partners to join international partnerships with developed and developing countries elsewhere in the world.

As a broker of and partner in so-called south-south-north partnerships, Stellenbosch University can provide excellent opportunities to postgraduate students to add a relevant international dimension to their studies in Stellenbosch.



Support for Postgraduate Researchers and Students

The Division for Research Development (DRD), the Library and Information Service (LIS) and the Postgraduate & International Office (PGIO) form the core administrative support services for researchers, postgraduate and international students and international research networks at Stellenbosch University.

Other key role-players are the Language Centre, The Information Technology Division, the Division for Telematic Services and the Central Analytical Facility (CAF).

Division for Research Development

This division is tasked with pro-actively developing research at Stellenbosch University, through the provision of an effective, professional and value-adding support service to researchers. We work closely with all ten academic faculties in order to promote SU as a leading research university on the African continent.

One of our main functions is the management of internal research funds, as well as externally sourced research funding (national and international), and that generated through industry partnerships. All research- and research-related contracts are managed by and processed through DRD. The division is responsible for the formulation and implementation of policies related to, inter alia, internationally benchmarked research ethics, and manages the associated ethics review processes. It is also responsible for the implementation of

other institutional policies related to research conduct, such as the plagiarism policy and the institutional policy on research integrity.

DRD furthermore manages the dissemination of research information, including the reporting of research outputs for subsidy purposes, NRF ratings and nominations for various research awards. The division also produces the institutional annual research report: *Research at Stellenbosch*.

There is also a dedicated focus on research partnerships, in particular those at national level, ensuring maximum funding for, and policy impact of, research outputs from SU. Research capacity development forms a further key focus within the division, and we offer a suite of interventions aimed at rejuvenating and diversifying our productive research corps. The management of postdoctoral fellowships and coordination of the University's postdoctoral programme also resorts here.

www.sun.ac.za/research



... postgraduate study is not just about completing an advanced qualification...

Library and Information Service (LIS)

Information is indispensable to postgraduate study and research. That is why the Library and Information Service (LIS) strives to provide students and researchers with a dynamic, first rate information service.

The LIS comprises the central library (the JS Gericke Library), five branch libraries and a number of departmental collections. This group of libraries, spread over the various campuses, provide an academic support service for all staff members and all students (under- as well as postgraduate) at the University. Special provision is also made for non-residential students.

The LIS offers a variety of services and facilities for postgraduate students, such as the issuing and reserving of materials, interlibrary loans, an information service, photocopying facilities, and the lease of study cubicles and seminar rooms. Not only the information service, but also training in library use is provided by faculty librarians in the JS Gericke Library and staff of the branch libraries. A large

collection of printed books and periodicals, music, printed music and audio-visual items is available, as well as access to comprehensive electronic sources by means of the Library's web site.

A high-level research environment in the JS Gericke Library, the Research Commons, provides specialised facilities and services to support research success. The space which is available for exclusive use by master's and doctoral students as well as researchers, provides an environment conducive to rigorous study, discourse activities and relaxation. Professional and peer-assistance is provided and supplemented with training opportunities.

Full information about the services and facilities offered by the Library, and about how to gain access to a wide range of electronic resources is available on the Library's web site at <http://library.sun.ac.za>.

Postgraduate & International Office (PGIO)

Stellenbosch University is constantly seeking new and innovative ways in which to support postgraduate research because we know that our next generation of researchers will be drawn from this pool of talent.

As you progress through your research degree, you will develop a range of skills, prized by both academe and industry. These sought-after skills are not learned in a classroom, but through the experience of working on your research degree within your academic department and the wider academic community, under the guidance of your supervisor.

The way in which you engage with this process can make a big difference in the quality of your research product, your efficiency in completing your degree as well as the skills you learn along the way.

The postgraduate skills development programme supports all postgraduate students throughout their studies, from embarking on a research degree to sharing their findings widely and responsibly.

It also prepares students for postgraduate study, equipping them with skills, information, tools and resources to get the most out of their research degrees.

The office assists students to develop the attributes needed to complete a research degree, and those needed in their future career, by putting them in touch with the many opportunities, resources and networks available at Stellenbosch University.

Through the postgraduate skills development programme you can:

- Plan your research project with the on.track planner and get useful tips about the research process at Stellenbosch University.
- Attend workshops on how to tackle your research, do a literature search, write effectively, avoid plagiarism, use MS Word for large documents and many more topics.
- Access workshops online through SUNLearn platform.
- Subscribe to a monthly newsletters, namely, *Take Note Newsletter* and *The Postgraduate Times*.
- Access resources and facilities with our dedicated postgraduate website

- Stay up to date on opportunities by following us on Twitter and Facebook.
- Becomes involved in exciting projects and competitions such as the New Voices in Science project; watch the video at www.youtube.com/user/pgskillsatsun
- Benefit from expertise of our parent programme, the African Doctoral Academy, a centre of expertise on the development of scholarship and research capacity, whose work informs and supports our own workshops.

All of the above can be accessed through our website: www.sun.ac.za/postgraduate/pgskills



Office address:
*Wilcocks Building
 Cnr Ryneveld and Victoria Street,
 Stellenbosch*
Website: www.sun.ac.za/international

Facebook:
*PGIOStellenboschUniversity
 PG Skills | University of Stellenbosch*

Twitter:
*PGIO - @pgioSU
 Postgrad Skills - @PG_Skills*

Email:
pgskills@sun.ac.za

Language Centre
 Stellenbosch University Language Centre is a vibrant hub for students, staff and clients who require language and communication assistance. The Centre is tasked to improve the institutional multilingual teaching offering as well as individual multilingualism at the University. In keeping with the growing number of postgraduate students at the University, the Language Centre is constantly increasing its offering to this group of students. This can be seen from the wide range of services that the Centre is already providing to the postgraduate community.

- These specialised services include:
- Scientific writing skills workshops
 - Writing and reading consultations
 - Translation and editing
 - Language testing
 - Writing support groups
 - Writing enriched modules
 - Language acquisition courses for international students (English, Afrikaans and isiXhosa)

Scientific writing skills workshops are especially popular amongst postgraduate students. These workshops are aimed at students who have to write research proposals, theses and dissertations. Most of the workshops are embedded in specific subject fields, and are developed in close collaboration with the departments concerned. To accommodate students whose departments do not have tailor made scientific writing workshops, generic workshops are presented regularly.

At the Writing Lab and the Reading Lab students can get individual assistance with academic writing and reading development. These services are structured in such a way that students can determine the pace at which they are able to work.

The Library and Information Service offers a variety of services and facilities for postgraduate students.

Language acquisition and language development courses focus on the development of basic speaking, listening, reading and writing skills on different levels in Afrikaans and English. Academic literacy courses focus on the development of academic language/ thinking strategies.

For students wishing to have their research proposals or reports professionally edited, the Language Centre's language service office offers a language editing service. It is also possible to have abstracts and research instruments such as surveys, questionnaires and informed consent forms translated into a variety of languages.

For more specific details about all these services consult the Language Centre website at www.sun.ac.za/taalsentrum.

Division for Information Technology (IT)

The IT Division plays a major role in facilitating the optimal use of technology in the areas of teaching, learning, research and administration at the University.

Several information technology services are offered to postgraduate students. Access to these services is possible from one of the computer users' areas (CUAs), a residence room, an academic department, the Internet, or the wireless "WiFi"-network facility, which is available in certain buildings and areas in Stellenbosch.

Registration for network services includes, amongst others, an email address, as well as access to the University portal for postgraduate students and the

internet. Internet user fees are automatically levied monthly against the student's account.

Students are not only provided with access to the electronic library resources by means of the computer network, but also to SUNLearn, where lecturers publish course material and communicate electronically with students.

Enrolled postgraduates will also find most of the services relevant to them on the University's My.SUN site

The Division for Information Technology also facilitates the use of computer technology in research activities. Postgraduate students, in consultation with their lecturers, may approach the Division for advice on and support for technology-related projects.

Division for Telematic Services

Stellenbosch University has an education technology platform that integrates satellite, mobile, web and video conference technology to create a modern and academically excellent virtual environment for postgraduate study. By making use of this platform, the virtual mobility of off-campus postgraduate students is increased and the limits placed on advanced study by time and space are largely neutralised.

The combination of residential education and the sophisticated application of technology make it possible for students to enrol for certain postgraduate programmes without having to come to Stellenbosch for the full period of study.

The University has 20 geographically distributed learning centres in the country and Namibia where students can attend lectures that are broadcast real time from Stellenbosch to the centres by means of satellite technology.

The University has 20 geographically distributed learning centres in the country and Namibia where students can attend lectures that are broadcast real time from Stellenbosch to the centres by means of satellite technology. The technology platform that is used is fully interactive, which makes it possible for the students to communicate with lecturers during the sessions by way of a cell phone or the web. In between transmissions students have access to a variety of academic support services, study material and forums on the University's web platform.

The programmes of the various faculties are supported by the telematic platform.

www.sun.ac.za/ite

African Doctoral Academy (ADA)

The ADA is a service and support entity within the PGIO of Stellenbosch University (SU). The goal of the ADA is to strengthen and advance doctoral training and scholarship on the African continent, across all disciplines. This is done through

- offering high quality research skills training for prospective and enrolled PhD candidates in the region;
- strengthening doctoral supervision in the region, through training, regional partnerships, networks and exchanges;

While the ADA has a clear regional focus, postgraduate students and researchers at Stellenbosch University benefit from the institutional hosting of this prestigious academy.

www.sun.ac.za/ada

The Centre for Statistical Consultation

The aim of the Centre for Statistical Consultation is to assist researchers and postgraduate students of the university with statistical aspects of their research. Where necessary, assistance is provided with the analysis and interpretation of results.

The centre provides the following expertise:

- Advice and guidance on the planning and structuring of research projects and experiments.
- Assistance in organising electronic data capturing to ensure that data is in the correct format for statistical analysis
- Extraction of useful information from large databases (data mining)
- Analysis of statistical data
- Interpretation of results
- Presentation of short courses with the aim of introducing statistical concepts to researchers

The centre is staffed by two senior statisticians with a long history of client-driven practical experience, who keep themselves up to date with the latest statistical developments, data mining and other statistical software in order to provide an effective consultation service to researchers. A close relationship with the statistics department makes a further extensive source of knowledge and expertise available to the centre.

The Centre for Statistical Consultation

Tel: +27 (0) 21 808 2561

Website: www.sun.ac.za/afrikaans/research-innovation/csc

<http://www.sun.ac.za/english/research-innovation/csc/Pages/default.aspx>

Address:

First Floor

*Van der Sterr Building
Stellenbosch University*

Central Analytical Facility

In science, engineering, agriculture and medicine, internationally competitive research is often dependent on equipment. One of the key reasons is that the in-house availability of advanced equipment allows research ideas to be tested immediately, rather than waiting for time to become available to travel and use equipment elsewhere.

Similarly, postgraduate student enrolment is dependent on academic success, as high-profile research achievements feed back into postgraduate enrolments by attracting prospective students to cutting-edge projects that are well supported by research funding and student bursaries. Thus, the availability of a diverse range of sophisticated research equipment is central to attaining international research competitiveness. Stellenbosch University has recognised that much of the advanced equipment needed at

any research-driven university is required by scientists from several disciplines. At SU such equipment is housed within the Central Analytical Facility (CAF), where it is managed to ensure optimal utilisation and service to the University's research community and to the South African research and development sector in general.

Operational units within the CAF are oriented around applications specialists who provide advice to users on relevant techniques, perform analyses for clients, train users to perform their own analyses and ensure good maintenance, calibration and performance of the equipment.

A strong and efficient CAF is central to the research mission of Stellenbosch University.

There are nine CAF units:

- Mass Spectrometry
- DNA Sequencer
- ICP-MS Laboratory
- Nuclear Magnetic Resonance (NMR) & CD Unit
- Electron Microbeam Unit
- Cell Imaging Unit
- Environmental & XRF
- CT Scanner
- Human Movement Analysis

www.sun.ac.za/caf



The availability of a diverse range of sophisticated research equipment is central to attaining international research competitiveness.

Faculty of Arts & Social Sciences

Dean: Prof Johan Hattingh

Website: www.sun.ac.za/arts

Departments and Research Centres

The Faculty of Arts and Social Sciences hosts 18 departments that represent three broad disciplinary groups, namely Arts, Languages and Social Sciences.

African Languages

Afrikaans and Dutch

Ancient Studies

- Centre for Bible Interpretation and Translation in Africa

Drama

Centre for Theatre Research

English

General Linguistics

Geography and Environmental Studies

- Centre for Geographical Analysis
- Centre for Regional and Urban Innovation and Statistical Exploration (CRUISE)
- Research Alliance for Disaster and Risk Reduction (RADAR)

History

Information Science

- Centre for Knowledge Dynamics and Decision-making

Journalism

Modern Foreign Languages

Music

Philosophy

- Centre for Applied Ethics

Political Science

- Centre for International and Comparative Politics

Psychology

- Centre for Community Psychological Services
- Alan J Flisher Centre for Public Mental Health (with UCT)

Social Work

Sociology and Social

Anthropology

Visual Arts

- Centre for Comic, Illustrative and Book Arts

Faculty Research Centres

- Centre for Chinese Studies
- Centre for Research on Evaluation, Science and Technology (CREST)



A photograph of a classroom scene. A male teacher with curly hair, wearing a green long-sleeved shirt, stands in the center, pointing his right hand towards a student. In the foreground, a male student with short brown hair, wearing a grey t-shirt, sits at a desk, looking towards the teacher. To the right, another student is seen in profile, holding a blue pen to his mouth. The background shows other students at desks and a bulletin board with a colorful poster. An orange semi-transparent box is overlaid on the top right of the image, containing a quote and the name 'Voltaire'.

“It is not sufficient to see
and to know the beauty
of a work. We must feel
and be affected by it.”

— Voltaire

ARTS & SOCIAL SCIENCES

Faculty of Science

Dean: Prof Louise Warnich

Website: www.sun.ac.za/science

Departments and Research Bodies

The Faculty of Science consists of eight dynamic departments, housed in a number of buildings on the main campus, where teaching and postgraduate research are supported by ultra-modern technology and highly qualified and experienced staff.

Biochemistry

Botany and Zoology

- DST-NRF Centre for Invasion Biology (CIB)

Chemistry and Polymer Science

Institute for Polymer Science

Earth Sciences

Mathematical Sciences: Applied Mathematics, Computer Science, Mathematics

- Bureau for Industrial Mathematics
- Centre for Experimental Mathematics
- Institute for Applied Computer Science

Microbiology

Physics

- Institute for Laser Research
- Institute of Theoretical Physics
- National Institute for Theoretical Physics (NITheP)

Physiological Sciences

- Centre for Human Performance Science

Faculty Research Centres

- African Institute of Mathematical Sciences (AIMS; *in partnership with the universities of Cape Town, Western Cape, Cambridge, Oxford and Orsay*)
- Animal Facility
- Central Analytical Facility (CAF)
- Centre for Studies in Complexity
- South African Centre for Epidemiological Modelling and Analysis (SACEMA)
- AU/NEPAD Networks of Water Centres of Excellence
- Telkom-Siemens Centre of Excellence in ATM and Broadband Networks and their Applications





“Every great advance in science has issued from a new audacity of imagination.”

— John Dewey

SCIENCE

Faculty of Education

Dean: Prof Maureen Robinson

Website: www.sun.ac.za/education

Departments and Research Bodies

The Faculty of Education's four departments each have a complementary focus that ties in with the broad research focus of the Faculty.

Curriculum Studies

- Information Centre for Children's Literature and Media (ISKEMUS)
- Research Unit for Mathematics Education (RUMEUS)
- Institute for Mathematics and Science Teaching (IMSTUS)
- Centre for Higher and Adult Education
- The Environmental Education Programme
- Education Library
- Practicum Unit

Education Policy Studies

Educational Psychology

- Unit for Educational Psychology

Sport Science

- Biokinetics

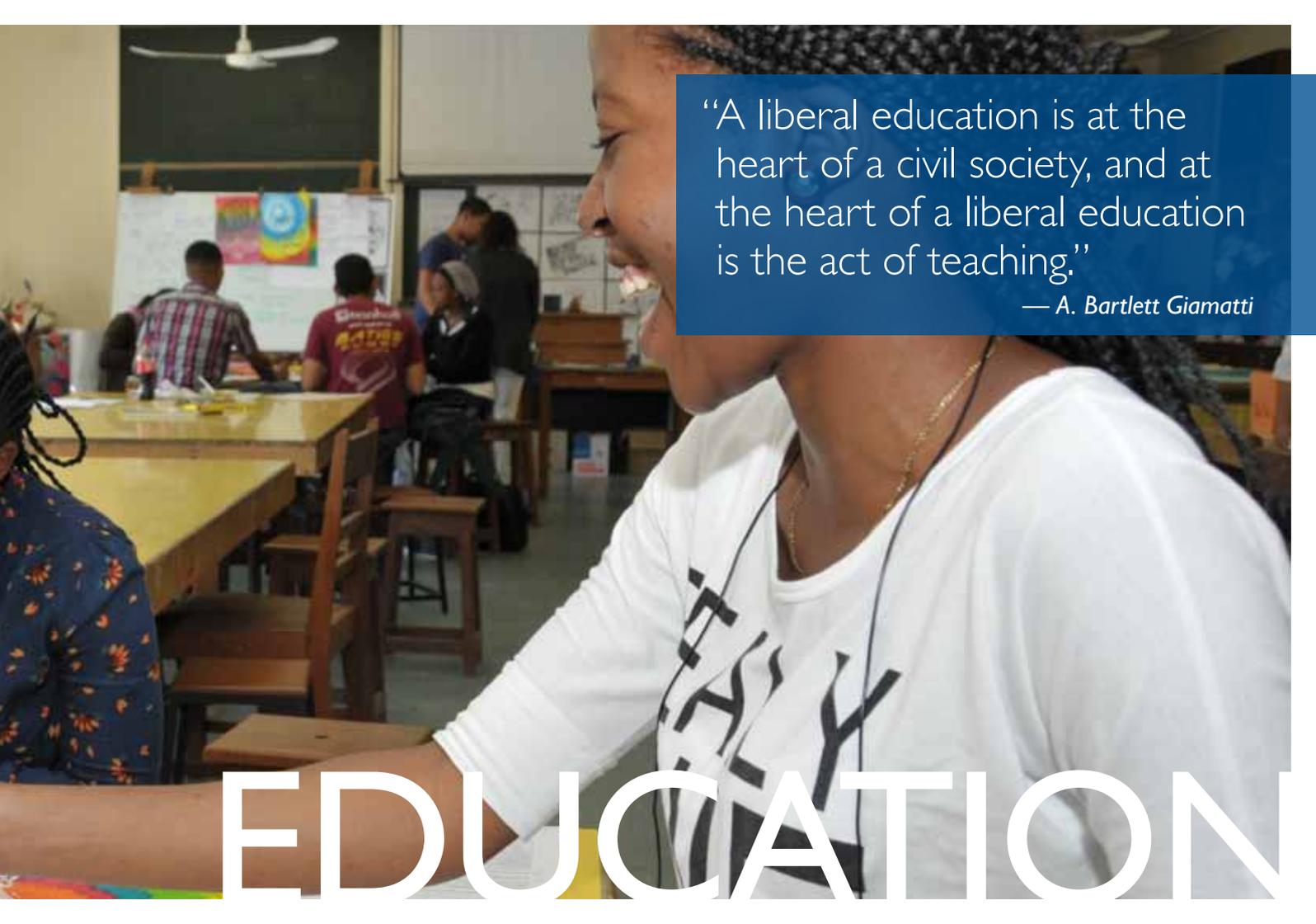
Faculty Research Centres

- Centre for Education Leadership and Management at the University of Stellenbosch (CELEMUS)

University Research Body

- Stellenbosch University Sport Performance Institute (SUSPI)





“A liberal education is at the heart of a civil society, and at the heart of a liberal education is the act of teaching.”

— A. Bartlett Giamatti

EDUCATION

Faculty of AgriSciences

Acting Dean: Prof Danie Brink

Website: www.sun.ac.za/agric

Departments and Research Bodies

One of the first four faculties when SU was established, the Faculty of Agrisciences has grown since 1918 to include 11 distinct departments.

Agricultural Economics

Agronomy

Animal Sciences

Conservation Ecology and

Entomology

Food Science

Forest and Wood Science

Genetics

- Institute for Plant Biotechnology

Horticultural Science

Plant Pathology

Soil Science

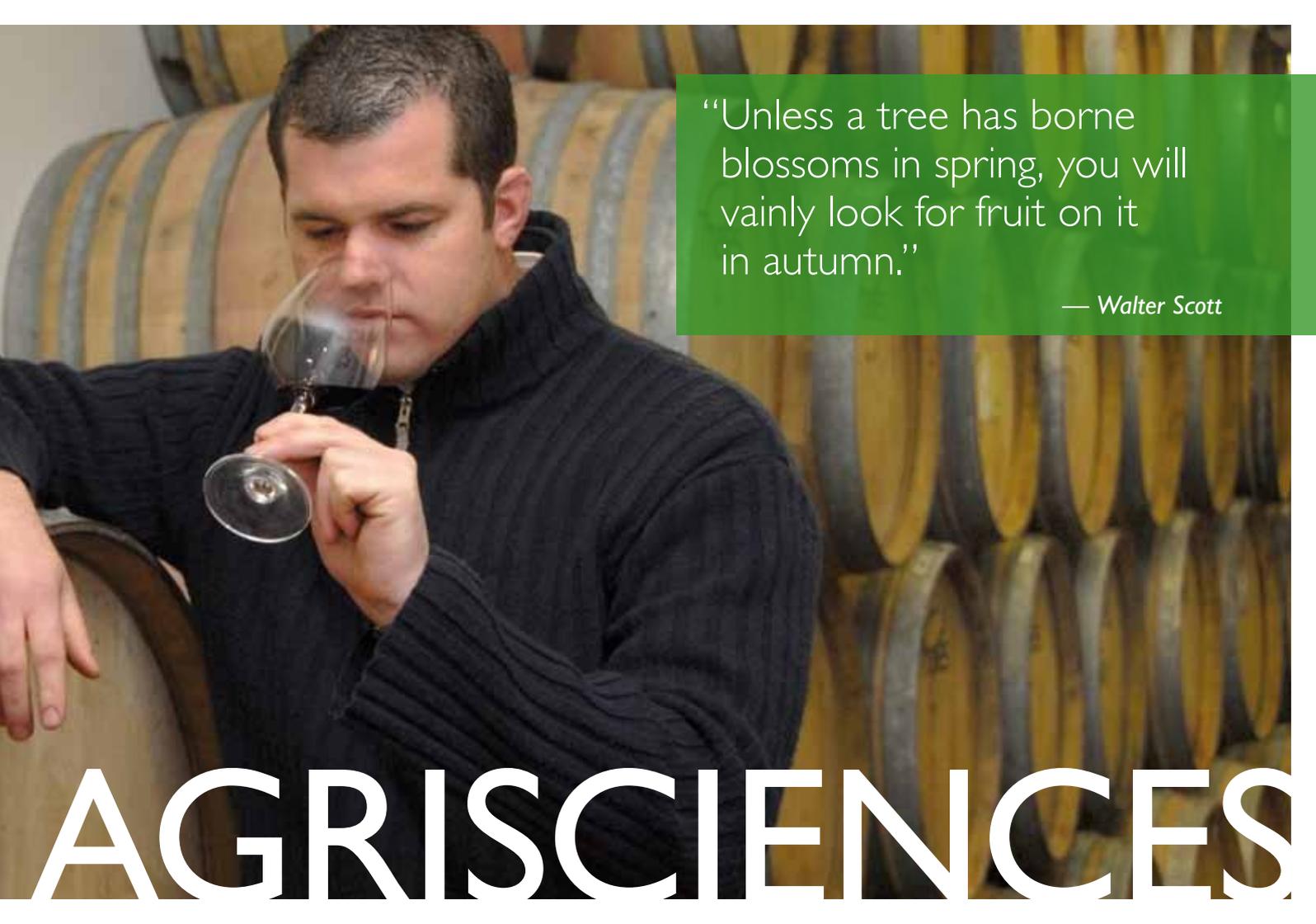
Viticulture and Oenology

- Institute for Wine Biotechnology

Experimental Farms

- Welgevallen
- Mariendal
- Standard Bank Centre for Agribusiness Development and Leadership



A man with short dark hair, wearing a dark, ribbed sweater, is shown in profile, holding a wine glass to his nose and smelling the contents. He is in a cellar or winery, with numerous wooden wine barrels stacked in the background. The lighting is soft and focused on the man and his glass.

“Unless a tree has borne blossoms in spring, you will vainly look for fruit on it in autumn.”

— *Walter Scott*

AGRISCIENCES

Faculty of Law

Dean: Prof. Sonia Human
Website: www.sun.ac.za/law

Departments

Mercantile Law

Private Law

Public Law

Faculty Research Centre

- Legal Aid Clinic





“I am a part of everything
that I have read.”

— *Theodore Roosevelt*

LAW

Faculty of Theology

Acting Dean: Prof Hendrik Bosman

Website: www.sun.ac.za/theology

Departments and Research Bodies

Old and New Testament

- Centre for Bible Interpretation and Translation in Africa (CBITA)

Practical Theology and Missiology

- NetAct (Network for African Congregational Theology)
- Unit for Religion and Development Research (URDR)

Systematic Theology and Ecclesiology

- Beyers Naudé Centre for Public Theology (BNC)
- Beyers Naudé Archive

Faculty Research Body

- EKKLESIA





“Heaven is under our feet as well as over our heads.”

— *Henry David Thoreau*

THEOLOGY

Faculty of Economic & Management Sciences

Dean: Prof Stan du Plessis

Website: www.sun.ac.za/ems

Departments, Schools and Research Bodies

School of Accountancy

Department of Business Management

Department of Economics

University of Stellenbosch Business School

- Africa Centre for Investment Analysis
- African Centre for Learning and Coaching
- Centre for Corporate Governance in Africa
- Centre for Development Policy and Partnership
- Centre for Leadership Studies
- The Africa Centre for Conflict Management, Dispute Resolution and Negotiation

Department of Industrial Psychology

Department of Logistics

- Centre for Supply Chain Management

School of Public Leadership

Centre for Anti-Corruption
Education and Research

Department of Statistics and Actuarial Science

Faculty Research Bodies

- Sustainability Institute (in partnership with the School of Public Leadership)
- African Centre for HIV/Aids Management in the World of Work
- Bureau for Economic Research
- Institute for Futures Research
- Centre for Statistical Consultation



A woman with dark hair, wearing a red sweater and a patterned scarf, is looking intently at a laptop screen. The background is slightly blurred, showing other people in a classroom or office environment. A teal-colored text box is overlaid on the right side of the image.

“There are no secrets to success. It is the result of preparation, hard work, and learning from failure.”

— Colin Powell

ECONOMIC & MANAGEMENT SCIENCES

Faculty of Engineering

Dean: Prof Hansie Knoetze

Website: www.eng.sun.ac.za

Departments and Research Bodies

Civil Engineering

- Institute for Structural Engineering
- Institute for Transport Technology
- Institute for Water and Environmental Engineering

Electrical and Electronic Engineering

Industrial Engineering

- Centre for Advanced Manufacturing
- Global Competitiveness Centre (Industrial Engineering) (GCC)
- Institute for Industrial Engineering
- Rapid Product Development Group Unit for Systems Modelling and Analysis (USMA)

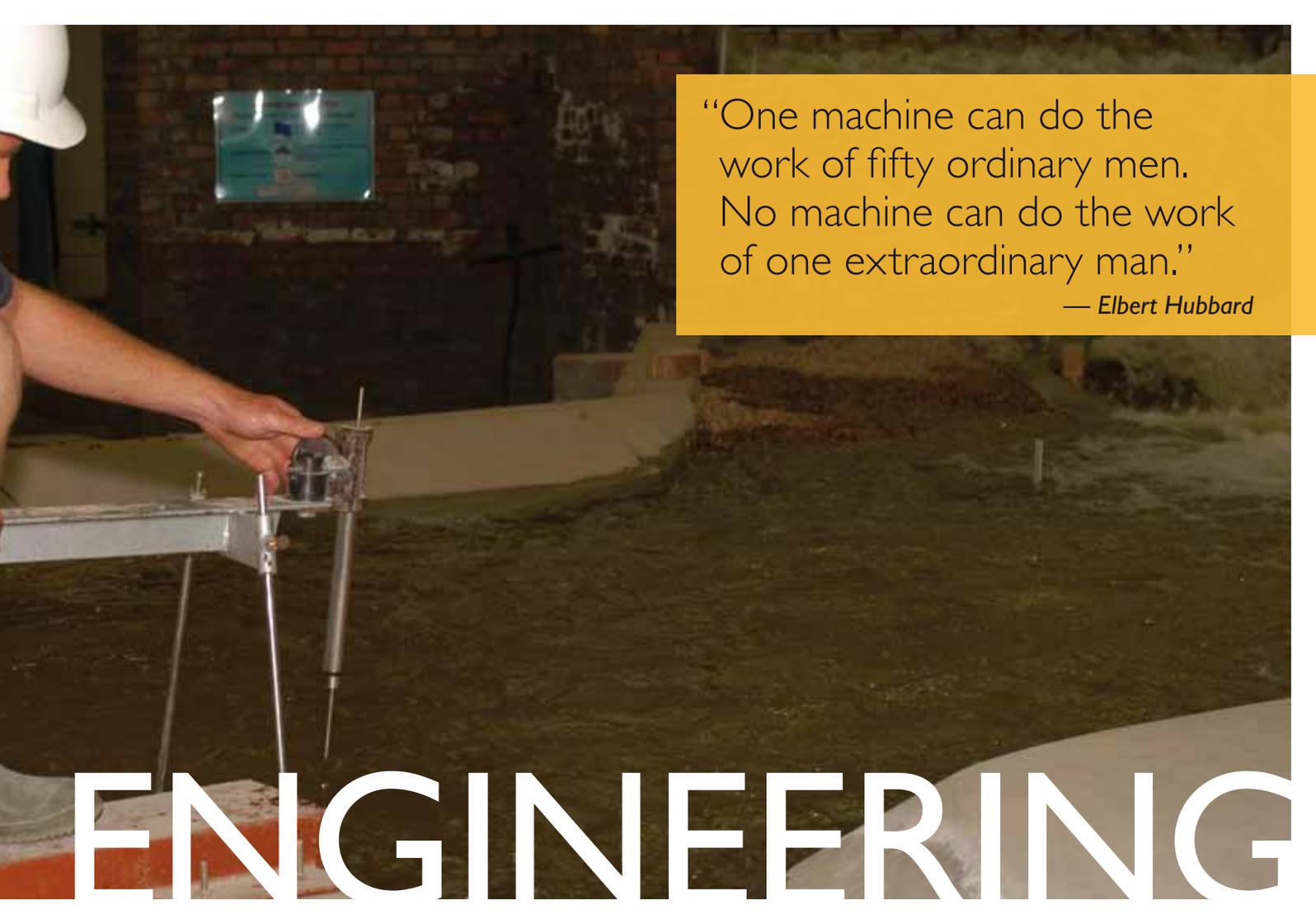
Mechanical and Mechatronic Engineering

- Centre for Renewable and Sustainable Energy Studies
- Institute for Thermodynamics and Mechanics

Process Engineering

- Centre for Process Engineering
- Anglo American Platinum Centre for Process Monitoring



A construction worker wearing a white hard hat is using a surveying instrument, possibly a level or theodolite, on a construction site. The worker is positioned on the left side of the frame, with their arm extended towards the instrument. The background shows a brick wall and a concrete structure. The overall scene is dimly lit, suggesting an indoor or shaded construction environment.

“One machine can do the work of fifty ordinary men. No machine can do the work of one extraordinary man.”

— *Elbert Hubbard*

ENGINEERING

Faculty of Medicine and Health Sciences

Dean: Prof Jimmy Volmink
Website: www.sun.ac.za/health

Departments and Research Bodies

Anaesthesiology and Critical Care

Biomedical Sciences

- Centre for Molecular and Cellular Biology (US/MRC)

Surgical Sciences

- Craniofacial Unit: Tygerberg (Division Plastic and Reconstructive Surgery)

Medicine

- Respiratory Research Unit (RRU) (Division Pulmonology)

Interdisciplinary Health Sciences

- Centre for Rehabilitation Studies

Medical Imaging and Clinical Oncology

Paediatrics and Child Health

Pathology

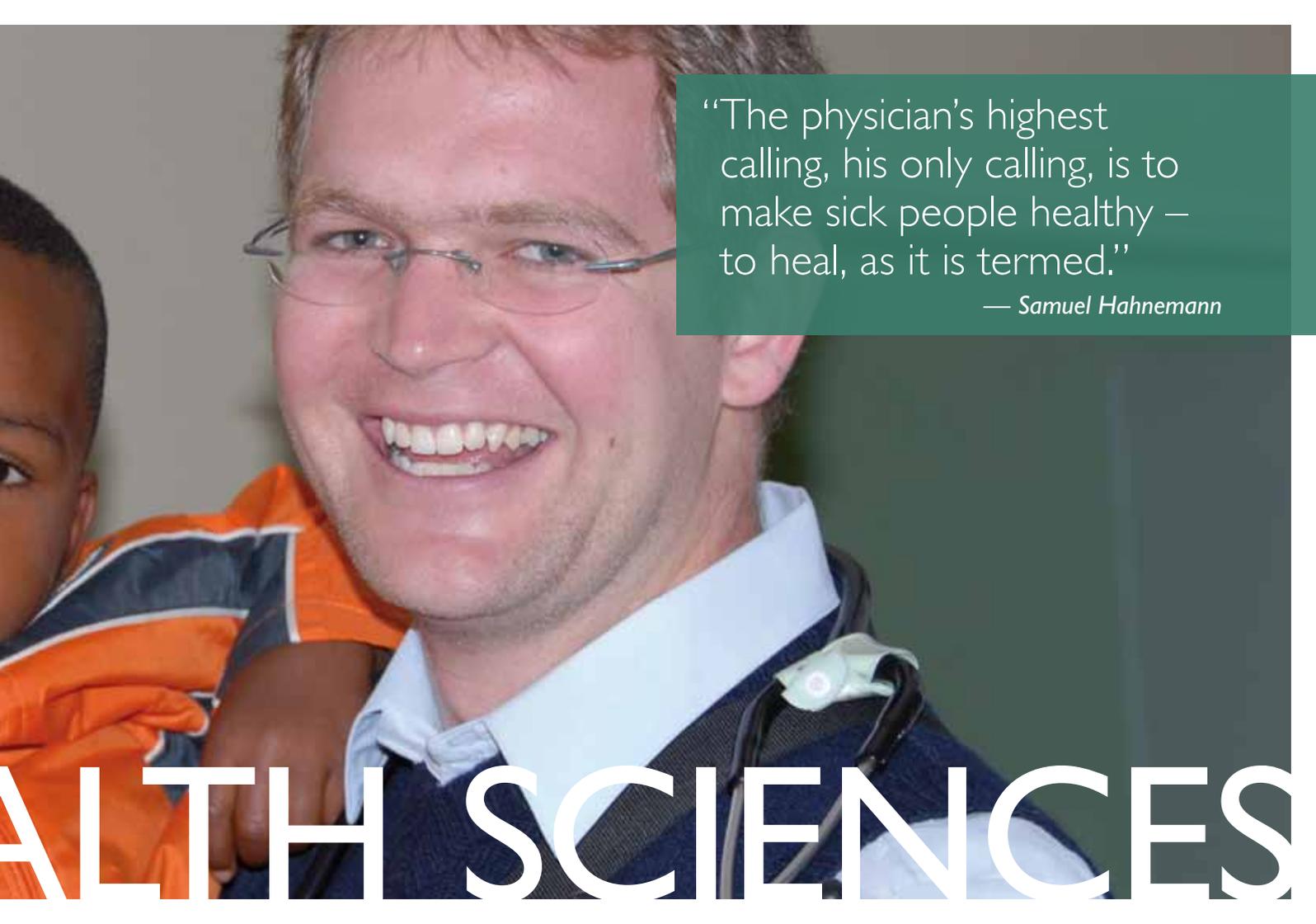
Psychiatry

Obstetrics and Gynaecology

Faculty Research and Service Bodies

- Brain Imaging Centre (CUBIC)
- Centre for Evidence-based Healthcare
- Centre for Health Professions Education
- Centre for Infectious Diseases
- Centre for Medical Ethics and Law
- Desmond Tutu TB Centre
- Hyperbaric Medicine
- Mental Health Information Centre
- NICUS
- Pharmacology/ Toxicology
- Poison Information Centre
- STELLMED
- Ukwanda Centre for Rural Health
- Unit for Infection Prevention and control
- Unit for Research on Health and Safety





“The physician’s highest calling, his only calling, is to make sick people healthy – to heal, as it is termed.”

— *Samuel Hahnemann*

ALTH SCIENCES

Faculty of Military Science

Dean: Prof M. Tshehla

Website: www.sun.ac.za/english/faculty/milscience

Schools

*School for Defence Organisation
and Resource Management*

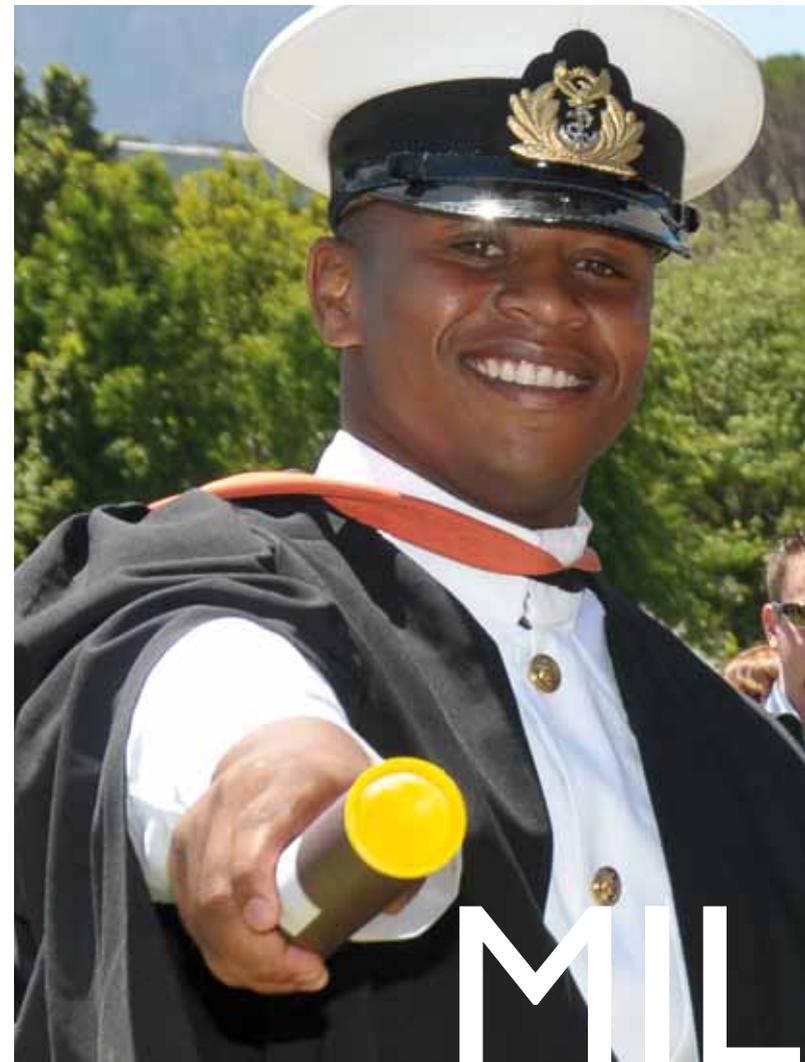
*School for Human Resource
Development*

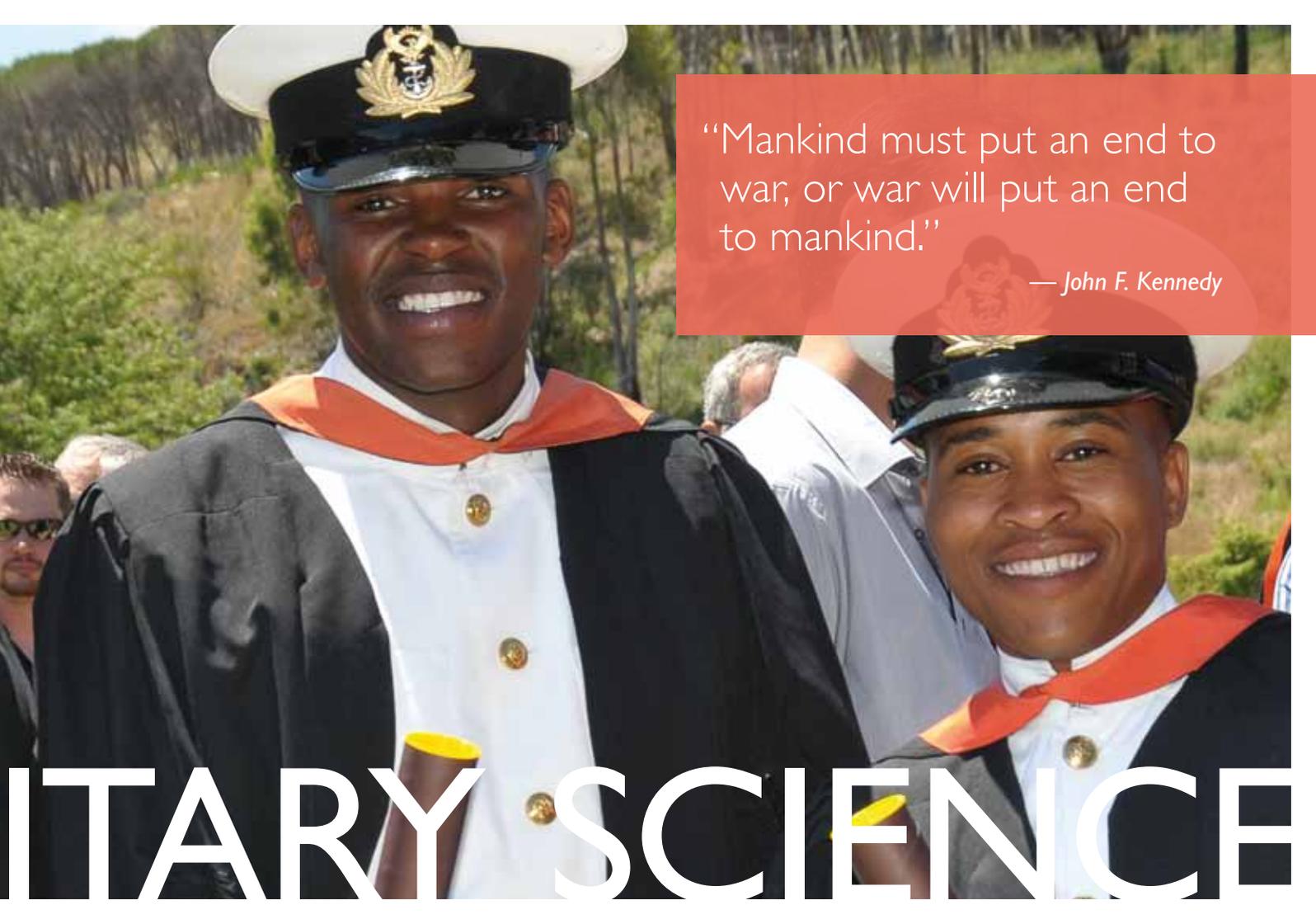
*School for Science and
Technology*

*School for Security and
Africa Studies*

Faculty Research Centre

- Centre for Military Studies
(CEMIS)





“Mankind must put an end to war, or war will put an end to mankind.”

— John F. Kennedy

MILITARY SCIENCE

Structure of the South African Education System

The tertiary education sector in South Africa has both public and private institutions. Of these, there are three types: traditional universities, universities of technology and comprehensive universities.

Traditional universities like Stellenbosch University offer degrees and diplomas at undergraduate and postgraduate level in academic subjects.

South Africa's education structure is guided by a Higher Education Qualifications Framework (HEQF) which provides the basis for integrating all higher education qualifications into a National Qualifications Framework (NQF).

Typically South Africa's degree structure consists of a three-year bachelor's degree, followed by a one-year bachelor with honours degree or postgraduate diploma. These normally grant access to master's degrees (coursework with a research component or by research only). In some cases a four-year professional bachelor's degree can give access directly to a master's degree. The highest

qualification on the HEQF is a PhD or doctoral degree.

Honours programmes are generally a combination of taught modules (with seminars and laboratory time) and a minor research thesis.

Postgraduate diploma programmes are a combination of coursework (with seminars and laboratory time) and may include a minor research thesis.

Master's programmes

Master's programmes have a minimum registration period of one year before the degree may be conferred. Students typically enrol for around two years but this is heavily dependent of the field of study. Master's programmes are either a combination of coursework (with seminars and laboratory time) and a substantial research thesis or purely research (thesis-only) based programmes.

Specific Admission Requirements

For admission to most Master's programmes the minimum requirement is a qualification which is deemed comparable to a South African Honours degree

specialising in the subject in which the candidate wishes to pursue the Master's degree. It is also commonly expected that the applicant should have achieved a minimum level of performance in that subject during his/her preceding studies. The minimum level of performance required may vary from Faculty to Faculty. For example, for admission to a Master's degree in English Studies, you must have concentrated on English during your previous studies and have achieved a minimum percentage of 65% in your South African Honours/ equivalent degree. Some Master's programmes will consider applicants with related subject backgrounds but these are dealt with on a case-by-case basis.

In some cases, the applicant may be required to submit a written research proposal when being considered for admission to a purely research (thesis-only) based programme.

Doctoral programmes

Doctoral programmes have a minimum registration period of two years before the degree may be conferred. Students



typically enrol for around three years and are expected to work independently under the guidance of a supervisor. Doctoral candidates in all faculties must submit a substantial dissertation and will generally be required to complete an oral examination.

Specific Admission Requirements

For admission to most Doctoral programmes the minimum requirement is a qualification which is deemed comparable to a South African Master's degree specialising in the subject in which the candidate wishes to pursue the Doctoral degree. It is also commonly expected that the applicant should have achieved a minimum level of performance in that subject during his/her preceding studies. Doctoral students may be required to have their research proposal accepted by their Faculty and the Senate of the University prior to registration whereas in other cases, proposal preparation forms part of the first year of enrolment.

HIGHER EDUCATION QUALIFICATIONS OFFERED AT STELLENBOSCH UNIVERSITY

Qualification	HEQF exit level	Minimum Total credits	Credits at exit level	Minimum entrance requirements*
Bachelor's degree (not professional)	7	360	Minimum at level 7: 120 Maximum at level 5: 96	South African National Senior Certificate with an achievement rating of 4 in four subjects from the list of subjects designated for university study, or an appropriate and recognised foreign qualification approved by the South African Matriculation Board for admission to first bachelor's degree studies
Bachelor with honours degree	8	120	Minimum at level 8: 120 Must include 30 credits "conducting and reporting research under supervision"	Appropriate bachelor's degree
Postgraduate diploma	8	120	Minimum at level 8: 120 May include 30 credits "conducting and reporting research under supervision"	Appropriate bachelor's degree
Master's degree	9	180	Minimum at level 9: 180	Appropriate honours degree, or professional bachelor's degree with a minimum of 96 credits at level 8, or an appropriate postgraduate diploma
PhD; doctorate	10	360	Minimum at level 10: 360	Appropriate master's degree

* For admission at postgraduate level, foreign qualifications are either evaluated by the PGIO or where required, candidates may be requested to have their qualification/s formally evaluated by the South African Qualification Authority (SAQA) at their own expense before their application for admission to Stellenbosch University will be considered.

Entrance Requirements

General entrance requirements

Degree programmes at the postgraduate honours, postgraduate diploma, master's and PhD level are available. Our entry requirements vary by programme – some accept a wide variety of backgrounds in degree subjects whilst many expect you to have studied the subject already at undergraduate degree level. A certain minimum level of performance in the preceding qualification is usually expected in order to gain admission to a subsequent level of study. Additional entry requirements may apply for certain research degrees.

Candidates compete for places on the available postgraduate programmes. Selection procedures apply.

Details of individual programme requirements can be found on the individual departmental websites. If you are interested in a research-based programme, you are well advised to make direct contact with an academic department in order to find out if your interests are compatible with those represented in the department.

An overview of the offering can be found at: www.sun.ac.za/pgstudies

English language requirements

If you are an international student, you will also need to satisfy our English language entry requirements. If English is not your first language you will be required to submit evidence of proficiency before commencing your programme.

The table below shows the minimum English language entry requirements that must be presented for entry in the next available academic year.

If the results of your English test show you need to improve your English before commencing your studies you can attend a preparation course at the Unit for English at Stellenbosch University.

Further details can be viewed at www.sun.ac.za/international along with information on English preparation courses and associated entry requirements.

	CEF level	Cambridge ESOL	IELTS band	TOEFL iBT	TOEFL CBT	BULATS	PTE General	PTE Academic
No language tuition required	C2 proficient	CPE	8 – 9	96 – 110	243 – 270	90 – 100	Level 5	85+
Support language required (EAP)	C1	CAE	6.5 – 7.5	79 – 95	213 – 240	75 – 89	Level 4	76 – 84
Language tuition is required (IEP)	C1	FCE/CAE	Lower than 6.5	Lower than 79	Lower than 213	Lower than 75	Lower than level 4	Lower than 76

Closing Dates

HONOURS, POSTGRADUATE DIPLOMAS AND MASTER'S BY COURSEWORK PROGRAMMES	
Local students	Please consult the following website pertaining to application closing dates: www.sun.ac.za/pgstudies .
International students	Please consult the following website pertaining to application closing dates: www.sun.ac.za/pgstudies .
<p><i>Some selection programmes observe earlier closing dates.</i> <i>Some programmes have limited places available</i></p>	
MASTER'S BY RESEARCH AND DOCTORAL PROGRAMMES	
Local and international students	Consult the relevant Faculty. Due to the selection process involving many role-players, it will take some time to finalise the outcome.

Academic Year

Stellenbosch University's academic year follows the calendar year.

Taught postgraduate programmes usually commence in February each year with a limited number of programmes commencing in July. Where a postgraduate

programme consists of coursework it is important for candidates who have been admitted to arrive in time for the commencement of the programme. Classes usually commence in late January or early February (or late July). Late arrivals cannot be accommodated.

New registrations for masters (by research) and doctoral programmes must be finalised by the end of March or in some cases by the end of August each year.

How to Apply

What to include

Applicants should supply a complete application pack according to the requirements of their programme of interest. At a minimum this would include an online application, certified copies of qualifications, full academic transcripts and a résumé (where applicable). Letters of recommendation are welcome, but are not compulsory. For doctoral candidates a draft research proposal (or an extensive statement of intent) is usually required.

Applications of candidates who present foreign qualifications are evaluated by the Postgraduate & International Office and recommended for consideration to the respective faculties. Where required, candidates may be requested to have their qualification/s formally evaluated by the South African Qualification Authority (SAQA) at their own expense before their application for admission to Stellenbosch University will be considered.

Apply online

The simplest and quickest way to apply is via our online e-application system (www.sun.ac.za/pgstudies). Here you can also find instructions on how to complete the application form/s and required supporting documentation.

Paper applications

If you are unable to apply online, a paper application form can be obtained from the Client Service Centre.

What happens to my application?

The receipt of an e-application is acknowledged via email. You will also be alerted to any outstanding documentation which you should submit before your application can be finalised for consideration.

Admission decisions for taught programmes are made throughout the year. Some programmes (especially honours and postgraduate diploma programmes)

make their decisions as late as December of the year preceding the year of enrolment thereby giving consideration to the results achieved by applicants in their November examinations.

Research applicants (master's and doctoral candidates) usually receive a quicker response, especially where they are in personal discussion with a prospective supervisor. However, there are many formalities which must be observed and despite an "in principle" decision from a Department, the selection process also involves approval by the Faculty and in the case of Doctoral admissions, by the Senate of the University.

Client Service Centre:

Tel: +27 (0)21 808 9111

Email: info@sun.ac.za

Address

**Client Service Centre
Stellenbosch University
Private Bag X1
Matieland 7602**

Fees

Please note unless otherwise stated, the tuition fees quoted in this section are 2016 amounts. Amounts for 2017 will normally only become available toward the end of September 2016.

Application Fee

The application fee can be paid electronically during the e-application process.

If you apply on a paper form, the application fee must accompany the application. It is also possible to transfer the fee electronically and then attach the proof of payment to the application form.

Local applicants should cite the first eight digits of their identity number as the reference.

Please deposit the payment in the following account:

Account name: Stellenbosch University Student Fees

Bank: Standard Bank

Branch: Stellenbosch

Branch code: 050610

Account number: 063163225

Swift code: SBZAZAJJ

Reference: Student number

International students are not required to pay the application fee.

Estimated cost of living

Study fees entail the total cost of studies, which includes tuition fees, materials fees, and laboratory fees, travelling expenses, running costs and the membership dues for any faculty-bound, academic societies, as applicable to a programme or module. The information on the following pages serve as a guideline for what you should expect to budget for tuition and these academic-related costs associated with your enrolment at Stellenbosch University.

South African students may pay their study fees in instalments.

International students must normally pay their study fees in full, prior to registration. In addition to the tuition fees (as payable by South African students) and the fees for the abovementioned academic-related costs (materials fees, and laboratory fees, travelling expenses, running costs and the membership dues for any faculty-bound, academic societies, as applicable

to a programme or module) all non-South African students must also pay an annual International Registration Fee (IRF).

The amounts for the IRF (for 2016) are R6 680 for non-SADC citizens and R3 170 for SADC citizens.

More information on these may be found in the University Calendar, Part I

www.sun.ac.za/english/calendar-2016

The fees in the tables are average estimated amounts for what the study fees will be per year for these programmes (a representative sample of the postgraduate programme offering).

AGRISCIENCES			
Programme	Amount	Programme	Amount
Honours Programmes			
BScHons	R36 000		
Master's Programmes			
MScAgric ; MAgricAdmin; MSc Forestry and Wood Science (All years of registration per annum)	R14 126	MSc in Food Science; MSc in Conservation Ecology (All years of registration per annum)	R14 126
Doctoral Programmes			
PhD (Agric); PhD (For); PhD; DSc (First three years of registration per annum)	R11 477	PhD (Agric); PhD (For); PhD; DSc (Fourth year of registration)	R4 568

THEOLOGY			
Postgraduate Diploma Programmes			
PGDip in Theology (First year of registration)	R25 646	PGDip in Theology (Second year and further registration per annum)	R6 060
Master's Programmes			
MTh	R26 805	MDiv	R24 149
Doctoral Programmes			
PhD (First two years of registration per annum)	R15 013	PhD (Third year and further registration per annum)	R9 007

EDUCATION			
Postgraduate Diploma and Certificate Programmes			
Postgraduate Diploma in Higher Education and Teaching (First and Second year of registration)	R13 151	Postgraduate Certificate in Education (PGCE) (First year of registration)	R26 170
Honours Programmes			
BEdHons (Full-time)	R29 253	BScHons (Sport Science)	R29 905

EDUCATION continued			
Programme	Amount	Programme	Amount
Master's Programmes			
MEd Thesis (First year of registration)	R27 135	MEd Thesis (Second year and further registration per annum)	R5 607
MEdPsych (First year of registration)	R15 099	MEdPsych (Second year of registration)	R18 466
MSc (Sport Science) (First year of registration)	R28 230	MSc (Sport Science) (Second year and further registration per annum)	R6 704
Doctoral Programmes			
PhD (First two years of registration per annum)	R20 754	PhD (Third year and further registration per annum)	R4 568

ARTS AND SOCIAL SCIENCES			
Postgraduate Diploma Programmes			
PGDip in Document Analysis and Management	R30 916	PGDip in Technology and Language Learning	R25 643
PGDip in Monitoring and Evaluation	R34 271		
Honours Programmes			
BAHons (English Studies)	R30 488	BAHons (Drama and Theatre Studies)	R36 412
BAHons (VA)	R34 062		
BAHons (Part-time) African Languages (First year of registration)	R8 187	BAHons (Part-time) African Languages (2nd year of registration)	R9 764
Master's Programmes			
MA	R28 043	MPhil in Monitoring and Evaluation	R32 180
M in Social Work	R27 077	MA in Visual Arts	R27 589
MMus	R27 591	MA in Geography and Environmental Studies	R28 385
Doctoral Programmes			
DPhil (First two years of registration per annum)	R16 590	DPhil (Third year and further registration per annum)	R4 568

ECONOMIC & MANAGEMENT SCIENCES			
Programme	Amount	Programme	Amount
Postgraduate Diploma Programmes			
PGDip (Leadership Development)	R79 387	PGDip (Business Management and Administration)	R68 014
PGDip (Development Finance)	R77 304	PGDip (Futures Studies)	R68 341
PGDip in Actuarial Science (First year of registration)	R23 690	PGDip in Actuarial Science (Second year of registration)	R11 845
PGDip (Project Management) (First year of registration)	R45 281	PGDip (Project Management) (Second year of registration)	R45 283
Honours Programmes			
BComHons	R30 797	BAccHons	R32 617
Master's Programmes			
MCom (Structured)	R28 938	MCom Industrial Psychology	R28 281
MAcc (First year of registration)	R16 683	MAcc (Second year of registration)	R11 102
MPhil (Development Finance) (First year of registration)	R63 086	MPhil (Development Finance) (Second year of registration)	R 63 082
MPhil (Management Coaching) (First year of registration)	R68 071	MPhil (Management Coaching) (Second year of registration)	R 86 887
MPhil (Future Studies) (First year of registration)	R64 000	MPhil (Future Studies) (Second year of registration)	R53 120
MBA (AB) Full-time (First year of registration)	R225 687	MBA (AB) Full-time (Second year of registration) (continuation 2015)	R30 723
MBA (AB) Part-time (First year of registration) NO INTAKE 2016	–	MBA (AB) Part-time (Second year of registration)	R67 622
MBA (AB) Part-time (Third year of registration)	R30 723		
MBA (AB) Modular (First year of registration)	R91 166	MBA (AB) Modular (First year of registration)	R45 386
MBA (AB) Modular (Third year of registration) (continuation 2015)	R71 870		

ECONOMIC & MANAGEMENT SCIENCES continued			
Programme	Amount	Programme	Amount
MBA (AB) Modular, May intake (First year of registration) NO INTAKE 2016	–	MBA (AB) Modular, May intake (Second year of registration) (continuation first registration 2015)	R45 386
MBA (NB) Modular, May intake (Third year of registration) (continuation first registration 2014)	R86 999		
Doctoral Programmes			
PhD (First two years of registration per annum)	R16 665	PhD (Third year and further registration per annum)	R4 568
PhD (Business School) Business Management and Admin; Futures Studies (First two years of registration per annum)	R34 758	PhD (Business School) Business Management and Admin; Futures Studies (Third year and further registration per annum)	R4 580
PhD (Business School) Development Finance NO INTAKE 2016 (Second and third year of registration per annum)	R34 758	PhD (Business School) Development Finance (Fourth year and further registration per annum)	R4 580

ENGINEERING				
Fixed tuition fees	Amount	Plus	Variable tuition fees	Amount
Postgraduate Diploma Programmes				
PDE (120 credits) (Full-time) After the second year , students must apply for readmission to the programme.				
Fixed tuition fees per annum (First two years of registration)	R21 989	plus	Variable tuition fees Cost per module credit taken per annum	R252
PDE (120 credits) (Part-time) After the fourth year, students must apply for readmission to the programme.				
Fixed tuition fees per annum (First four years of registration)	R21 989	plus	Variable tuition fees Cost per module credit taken per annum	R252

continued overleaf

ENGINEERING continued				
Fixed tuition fees	Amount	Plus	Variable tuition fees	Amount
Master's Programmes				
MEng (Structured) (180 credits) (Full-time) After the second year , students must apply for readmission to the programme.				
Fixed tuition fees per annum (First two years of registration)	R21 989	plus	Variable tuition fees Cost per module credit taken per annum	R252
MEng (Structured) (180 credits) (Part-time) After the fourth year , students must apply for readmission to the programme.				
Fixed tuition fees per annum First four years of registration	R21 989	plus	Variable tuition fees Cost per module credit taken per annum	R252
MEng (Research) (Full-time) / MScEng (Full-time) After the third year , students must apply for readmission to the programme.				
First three years of registration per annum	R21 989			
MEng (Research) (Part-time) / MScEng (Part-time) After the fifth year , students must apply for readmission to the programme.				
First year of registration per annum	R21 989	Second-Fifth year of registration per annum		R11 849
Doctoral Programmes				
PhD (Eng); DEng (Full-time) After the fourth year , students must apply for readmission to the programme.				
First four years of registration per annum	R20 110			
PhD (Eng); DEng (Part-time) After the seventh year , students must apply for readmission to the programme.				
First year of registration per annum	R20 110	Second-Seventh year of registration per annum		R10 909

MEDICINE AND HEALTH SCIENCES			
Programme	Amount	Programme	Amount
Honours Programmes			
BScMedScHons	R26 585		
Master's Programmes			
MMed (Four-year) First two years of registration per annum	R15 764	MMed (Four-year) Third year and further registration per annum	R5 097
MMed (Five-year) First two years of registration per annum	R15 764	MMed (Five-year) Third year and further registration per annum	R5 097
Doctoral Programmes			
DSc; PhD; DScMedSc First year of registration	R18 287	DSc; PhD; DScMedSc Second to fifth year of registration per annum	R3 800
DSc; PhD; DScMedSc (Sixth year of registration)	R7 600		

SCIENCE			
Honours Programmes			
BScHons	R35 196		
Master's Programmes			
After two years of full-time MSc studies , students must reapply for continuation of studies. After three years of part-time MSc studies , students must reapply for continuation of studies.			
MSc (Full-time) First three years of registration per annum	R11 910	MSc (Part-time) First four years of registration per annum	R11 910
Doctoral Programmes			
After three years of full-time PhD studies , students must reapply for continuation of studies. After four years of part-time PhD studies , students must reapply for continuation of studies.			
PhD (Full-time) (First four years of registration per annum)	R11 910	PhD (Part-time) (First five years of registration per annum)	R11 910

SCIENCE continued			
Programme	Amount	Programme	Amount
After four years of full-time or part-time DSc studies , students must reapply for continuation of studies.			
DSc (Full-time or Part-time) (First year of registration)	R18 856	DSc (Full-time or Part-time) (Second year and further registration per annum)	R3 338
LAW			
Postgraduate Diploma Programmes			
PGDip (Tax Law) (First year of registration)	R13 014	PGDip (Tax Law) (Second year of registration)	R13 659
Master's Programmes			
LLM (Thesis) (First year of registration)	R22 466	LLM (Thesis) (Second year and further registration per annum)	R6 059
LLM (Structured) (180 credits) First registration from 2012 First year of registration (Private law, Mercantile law, Public law)	R45 879	LLM (Structured) (180 credits) First registration from 2012 First year of registration (International trade law)	R47 609
Doctoral Programmes			
LLD (First two years of registration per annum)	R19 112	LLD (Third year and further registration per annum)	R4 568

The duration of a postgraduate diploma programme and a full-time Honours programme is typically one year. If you do not complete within this timeframe, and if you have permission to continue beyond the first year of registration, you will be liable to pay continuation fees for each subsequent year of registration, until you graduate.

The minimum duration of a Master's degree, directly after a Bachelor's degree is two years. This would normally entail coursework in the first year and then a thesis component in the second year. The minimum duration of a Master's research (thesis-only) degree, directly after a South African Honours degree (or a comparable foreign qualification) is one year but typically, students tend to take longer to complete. On average, 2 to 3 years is a more realistic duration with some variation between disciplines for full-time Master's by research.

Each Faculty sets its own limits on the number of years which one may be engaged in Master's study. If you do not complete within this timeframe, one must reapply for continuation of the programme.

The minimum duration of a PhD programme is two years but typically, students tend to take longer to complete. On average, 3 to 4 years is a more realistic duration with some variation between disciplines for full-time PhD study.

Each Faculty sets its own limits on the number of years which one may be engaged in PhD study. If you do not complete within this timeframe, one must reapply for continuation of the programme.



Students may not allow their registration/enrolment to lapse.

Bursaries and Scholarships

Bursaries for full-time postgraduate study in all fields, on the grounds of previous academic performance or on the grounds of financial neediness are made available from funds of the research councils, the University, private bursary funds managed by the University and departmental bursary funds.

The monetary values of bursaries vary from case to case and final information will be made available at the end of September.

Bursaries based on academic performance

National Research Foundation (NRF) bursaries

These are granted for full-time study in all fields. Most of these bursaries are made available to professors and other university teachers who hold research grants of the NRF, and who can then nominate bursary candidates.

A limited number of prestige bursaries are available to candidates whose academic performance in their previous studies has been outstanding.

Enquiries, applications and nominations should be addressed to postgradfunding@sun.ac.za

We advise candidates to apply for an NRF bursary at the same time (information will be available at the end of June).

Postgraduate Merit bursaries

This is Stellenbosch University's own fund for postgraduate bursaries. Applications from students, who have obtained an average of 75% minimum for the preceding degree qualification, taking into account

the minimum required number of credits, at a lower level according to the National Qualification Framework (NQF), will be considered. The cut-off mark of 75% may be higher, depending on the number of applications and the amount available for bursaries.

Private bursaries

These are available from the funds of private donors and trusts that are administered by the University according to the conditions laid down by the donor. These bursaries are mostly limited to specific fields of study.

The Postgraduate Student Funding Office advertises bursaries periodically by means of notices on campus and on its web site.

Departmental bursaries

Some departments have funds of their own that may be used for postgraduate bursaries in terms of the University's prescribed financial guidelines. In this regard, prospective students should consult their supervisors.



Bursaries based on financial need

To qualify for a bursary on the grounds of financial need, candidates have to state their personal financial particulars on the prescribed application form and attach documentary proof. Only those who are found to be genuinely needy in terms of the means test used by the University qualify for these bursaries.

Postgraduate Support Bursaries (PSB)

These are available for full-time and part-time study in all fields, on condition that candidates have a satisfactory academic record or are making satisfactory progress with their postgraduate studies.

In the award of some bursaries from private sources or trusts, students' financial needs are also taken into account.

Please bear in mind that:

- the student remains responsible for the payment of registration and tuition fees;
- postgraduate bursaries usually do not cover all the expense involved in one's studies – in other words, students are expected to make

some personal contribution to the defrayment of such costs;

- bursary monies are usually not immediately available but are often paid out at the end of March in the first semester only;
- any funds that become available in terms of bursaries are first paid into the recipient's account with the University; then, if there turns out to be a positive balance; such balance can be transferred electronically to a personal bank account.

International students

As a rule the University does not make bursaries or financial aid available to international students, with certain exceptions.

Full particulars of available bursaries are given in the University Calendar, Part 2.
www.sun.ac.za/english/calendar-2016

Application

To apply for a postgraduate bursary, candidates must have a student number. Therefore you must apply for admission to a programme first (see "How to Apply" further in this document).

Once you have received your student number, you may apply online at the above-mentioned web address by following the link "Postgraduate Student Funding"

Any correspondence and negotiation with the NRF or with other bursary donors, whose bursaries are administered by the University, must go via the Postgraduate Student Funding Office.

Postgraduate students who register with Stellenbosch University for the first time must furnish a certified copy of the complete record of previous studies with performance reflected in percentages throughout.

It is University policy for any late applications to be placed on a waiting list and to be considered only if funds become available subsequently.

PLEASE NOTE:

From time to time the University amends particulars of the bursaries under its control. It is students' responsibility to familiarise themselves with the prevailing conditions attached to the awarding of bursaries.

Postgraduate Student Funding Office

Tel: +27 (0)21 808 4208

E-mail: postgradfunding@sun.ac.za
 Website: www.sun.ac.za/international

Address:

Postgraduate Student Funding Office
 Stellenbosch University
 Private Bag X1
 Matieland 7602

Accommodation

Residence Accommodation

Approximately 7 000 full-time students live in university residences and houses which are located on main and Tygerberg campus and these are within walking distance of most of the academic buildings. It should be noted that this university's accommodation is generally populated by undergraduate students.

Postgraduate students tend to seek alternative accommodation where they can cater for themselves and do not have to follow the formal programme which is characteristic of residence life.

Academia and Concordia are two alternative self-catering residences which were built by the University to house senior and international students. One can apply for a place in one of these residences through the Postgraduate & International Office (PGIO).

The reality remains that university accommodation is very limited. While the PGIO assists where possible, it is the individual's responsibility (international and postgraduate students) to secure their own accommodation.

Private Accommodation

Another accommodation option, which many senior students make use of, is to board in a private house or a flat.

For more information on this and a list of rental agents operating in Stellenbosch, please consult the website on www.sun.ac.za/international.

Private accommodation is also advertised in one of the local newspapers, *Eikestadnuus*, which is on sale every Thursday. You are also encouraged to check the campus notice boards for available accommodation. Many students also find a place to stay by word of mouth. So, keep your ears open!



Many students also find a place to stay by word of mouth.

Immigration

All non-South African students, including students doing research, require study visas. You should lodge your application in your country of origin and await the outcome before travelling to Stellenbosch. Without this document you cannot be registered. Students with passports from countries that have been exempted from tourist visas must still apply for a visitor's visa with the special endorsement. If you enter the country without such endorsement you may be requested to leave the country.

The letter of admission issued by the Postgraduate & International Office along with a range of other documents must be presented at the nearest South African diplomatic office, which has the authority to process applications for study visas which you should lodge at your nearest South African representative (in your home country).

It is your responsibility to maintain its validity. Renewal should be applied for at least eight weeks prior to the expiry date. Assistance is available at the Postgraduate & International Office.

IMPORTANT: Please note it can take several weeks to obtain a visa, but the circumstances may vary from country to country. Start your visa application by acquainting yourself with the necessary supporting documentation which may be time-consuming to obtain. Please ensure that you submit a complete application for your visa.

This information serves as a guide only. Requirements for obtaining a visa for South Africa are subject to change and each application is treated as an individual case. Always enquire from your nearest SA Mission before travelling to South Africa.

Formal admission to the University does not guarantee the issuing of a study visa.



Campus Life

Sport

Stellenbosch University has a proud tradition of sporting prowess. "Matie" sport is well known, not only in the Western Cape and the Boland, but throughout our country and beyond our borders. However, it is the University's express aim to strike a sound balance between performance sport and sport-for-all.

Students have the option of participating in performance sport at the highest levels or joining in leisure-time activities just for fun.

All registered students may join the University's sports clubs on payment of the prescribed membership fees.

Maties Sport

Tel.: +27 (0)21 808 4642

Email: matiesport@sun.ac.za

Web: www.sun.ac.za/sport

Office hours

Monday to Friday 08:30 – 17:00

Campus Health

An all-inclusive medical service for the campus community is situated at 7 Claassen Street in Stellenbosch, between Metanoia and Heemstede Residences. The service focuses on the health needs of staff and students and consists of a primary healthcare service (sisters) and a medical service (doctors). Absolute, professional confidentiality is maintained throughout. A similar service is offered to students on the Tygerberg Campus.

A sports medicine service that includes sports physicians, physiotherapists, biokineticists and sport scientists is offered by the Stellenbosch University Sport Performance Institute (SUSPI) at Coetzenburg. The office is situated alongside the University's Gymnasium.

Campus Health

Stellenbosch:

Tel: +27 (0)21 808 3496

Tygerberg

Tel: +27 (0)21 938 9590

Hours of consultation:

Monday to Friday 08:00 – 17:00

SUSPI

Sports Medicine / Physiotherapy:

Tel: +27 (0)21 808 3393

Biokinetics:

Tel: +27 (0)21 808 4735

Website: www.suspi.co.za



The University aims to strike a sound balance between performance sport and sport-for-all.

Student Centre

The Langenhoven Students' Centre is the hub of social life on the main campus at Stellenbosch. Familiarly known as "the Neelsie", it houses a large number of shops and financial and entertainment services under one roof for the convenience of students. The food hall seats about 1 350 people and the wide range of food and take-away outlets – from traditional hot meals to sushi, pasta, smoothies and halaal pies – offer something for just about every taste.

Clubs and societies

There is a wide variety of societies that are established and run by students who share a common interest. These include a hiking club, numerous religious societies, and also other common interests like poetry, drama and movies.



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