



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

UP IN A NUTSHELL

2019

OUR VISION IS TO BE

A leading research-intensive university in Africa, recognised internationally for its quality, relevance and impact, and also for developing people, creating knowledge and making a difference locally and globally.

VISION & GOALS

UP 2025 is the approved strategy that gives direction for the University to realise the vision and goals it has set for itself by 2025. Implementation is guided by a planning framework that comprises five-year plans that identify key actions and desired outcomes. Annual planning takes place within the five-year planning horizon. Our strategic goals for the five-year period 2017-2021 are to:

- enhance access and successful student learning
- strengthen the University's research and international profile
- foster and sustain a transformed, inclusive, and equitable University community
- optimise resources and enhance institutional sustainability
- strengthen the University's social responsiveness and impact in society.

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UP'S VICE CHANCELLORS 1918–2019

A Paterson (1918–1924)

N Hoogenhout (1925–1927)

A Du Toit (1927–1934)

C Schmidt (1935–1940)

M Botha (1941–1947)

C Rautenbach (1948–1970)

E Hamman (1970–1981)

D Joubert (1982–1991)

P Smit (1992–1996)

J Van Zyl (1997–2001)

C Pistorius (2001–2009)

C De la Rey (2009–2018)

T Kupe (2019–)

OVERVIEW

We see ourselves as a key contributor to our nation's economic growth and social development, exerting influence through three major pathways: teaching, research, and engagement with and service to society.

The University of Pretoria (UP) came into existence in 1908 as the Pretoria branch of the Transvaal University College (TUC). The College became a fully-fledged university in 1930 and the colloquial name Tuks, or Tukkies, was derived from the acronym TUC.

In 1949, UP became the first South African university to establish a business school, the Institute for Management and Administration (a precursor to GIBS). In 1972, an independent Department of Business Science was established and a fulltime MBA programme approved. This was the first of its kind outside of the USA.



In 2000 the University of Pretoria established the Gordon Institute of Business Science (GIBS), which is globally recognised for the quality of its management education. At its core, the school recognises the need for strong partnerships with leading South African and African corporates and fosters these relationships throughout its academic programmes.

Several recent developments will see UP make an even greater contribution to Africa and the world. The establishment of new research platforms, such as the Future Africa Institute, Javett-UP Art Centre and the Future Transportation Hub at the Engineering 4.0 facility, will increase innovation and capacity to generate sustainable solutions for South Africa and Africa's complex problems.

UP AT A GLANCE

ACADEMIC OFFERING



120

Academic departments



72

Research Institutes and Centres



1 175

Study programmes



237

Degrees, certificates and diplomas



19

DST-NRF SARCHI Chairs



33

Industry-sponsored Chairs



TOP 5

UP is in the top five of South African universities



4

Centres of Excellence

#1

UP rated top of all South African universities for research outputs

Source: Department of Higher Education and Training

INTERNATIONAL PROFILE

#42

GIBS among the world's 50 best business schools

Source: UK Financial Times 2018 Executive Education

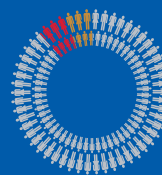
1,9%

UP is ranked in the top 1,9% of universities worldwide

Source: QS World University Rankings by Subject 2018-19

53 131

Total number of contact students enrolled



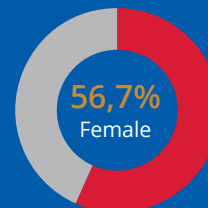
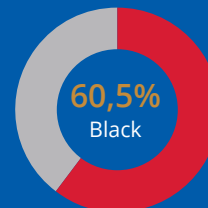
3 278

Total number of distance learning students

3 699

Number of international students enrolled

STUDENT PROFILE



(Total student body: undergraduate and postgraduate)

9 FACULTIES AND A BUSINESS SCHOOL

- 1 Economic and Management Sciences
 - 2 Education
 - 3 Engineering, Built Environment and Information Technology
 - 4 Health Sciences
 - 5 Humanities
 - 6 Law
 - 7 Natural and Agricultural Sciences
 - 8 Theology and Religion
 - 9 Veterinary Science (the only faculty of its kind in South Africa)
- +1 Gordon Institute of Business Science (GIBS)

7 x 110 x 884

The university is spread over seven campuses on 110 properties in 884 buildings



WE TEACH AND LEARN

In an age of overwhelming choices, the University of Pretoria continues to attract discerning students and staff in great numbers. Course quality, university reputation, and location are just some of the aspects that direct their choice.



We strive to teach our students to “make today matter” by drawing on the experience of yesterday and using the knowledge of today to improve the outcomes of tomorrow. Our staff and students are sensitised that every action in the present shapes the future.

Our primary goal is not only to produce good-quality graduates but also to produce graduates with attributes that go beyond mastery of their fields of study; graduates who can interact successfully in a globally interdependent world, and who are prepared for the challenges of a diverse world.

The most recent statistics released by the Department of Higher Education and Training (DHET) confirm that UP remains one of the largest producers of graduates in a wide range of fields that include identified scarce skills such as engineering, financial sciences and health sciences. We produce all of the country's veterinarians, almost a third of all engineers (28,4%) and just under 15% of all doctors.

We are resolute in our intended outcome of producing quality graduates that can contribute to South Africa's knowledge economy.

LEARNING SUPPORT

Since 2010, we have been developing an integrated approach to student success that supports them physically, mentally and emotionally from the second they step onto the campus. This has, we believe, contributed to our high examination pass rate of 82,4%.

At the Starting Line: Gearing up for Tertiary Education is a free, online, university preparation course for provisionally-accepted first-year students that aims to develop a range of skills such as time management, note taking, study skills, goalsetting and academic reading before these prospective students enter university.

FLY@UP (FLY stands for the Finish Line is Yours) provides students with support and actionable options to succeed in their studies and graduate in minimum time. We focus on nurturing a growth mindset, showing our students how they can improve through hard work and the help of others, and raising awareness in each of our support departments of its role in student success.

Fly Higher@UP was introduced to improve the throughput and success of postgraduate students and help them complete their studies in the minimum time.

Hybrid Learning in teaching and learning is used alongside traditional lecturing. We have been working for several years on implementing a system-wide hybrid approach to teaching and learning. The aim is for each undergraduate module to include up to 30% of teaching and learning engagements online. Almost 95% of all undergraduate modules have an active online presence. Data from the learning management system also demonstrated that the most engaged students online outperformed the least engaged by 15%, a good



Libby, our newest employee

UP's Department of Library Services has 'employed' the first client service robot known to be in use in any university library in Africa. 'Libby', as she's called, weighs in at 19 kilograms and is 90 centimetres tall – a height tall enough to interact with visitors in wheelchairs.

argument in favour of the hybrid learning approach. Online learning also helps prepare our students for the world beyond university.

Social learning spaces mimic real-world work and social environments, which encourage interaction and cross-disciplinary problem solving. This enhances accessibility and promotes successful student learning, which is one of our critical goals. Completed social learning spaces include Economic and Management Sciences' new postgraduate hub, the IT Building atrium upgrade and the new Future Africa campus – a dynamic living, learning and research environment where Africa's leading scientists and scholars can benefit from transdisciplinary research to generate solutions for successful societies across Africa and the world.

Connected campuses – Wi-Fi coverage extends to around 400 lecture venues across all campuses, and equipment has been upgraded in lecture venues and student computer laboratories. The campus connectivity project launched in January 2018, will enable the fibre optic connectivity needed to increase capacity as required for internet

and inter-campus traffic.

With such a level of support, it is easy to see why UP remains a destination of choice for top-performing students from all over South Africa. Of the 19 learners nationally with nine or more distinctions in the 2018 National Senior Certificate examinations, 14 of these (74%) applied to study at UP. A similar pattern applied to students who wrote the examinations of the Independent Examination Board. Of the 85 learners with eight or more distinctions, 55 (65%) applied for enrolment at UP.

Our reputation for producing quality graduates gains traction through our over 285 000 alumni, many of whom are luminaries in the business, social, political, sporting and cultural arenas, making a positive difference world-wide.

Alumni doing us proud

Dion Shango, BCom Financial Accounting (1997), has been appointed as the first black CEO of PwCAfrica. His goal is to see more Black, Coloured and Indian graduates become chartered accountants and partners within the large firms. He also aims to grow the composition of females in the company. "As alumni, it is up to us to uphold standards and enhance them, and to make the university even more competitive on the world stage than it is right now. Tuks produces responsible citizens who contribute to the growth and development of South Africa and the continent."

Sanesha Naicker, BSc Honours Human Cell Biology (2011), was awarded the title of Leading Female Pioneer in Breast Cancer Research at the 2019 Global Health and Pharma (GHP) Alternative Medicine & Holistic Health Awards. The awards acknowledge the contribution and achievement of professionals who have improved the lives of others, and recognise those who go the extra mile to offer relief and reassurance in areas that traditional medicine cannot. GHP previously awarded Naicker a Private Health Award in 2017, naming her Best Young Woman Breast Cancer Care Specialist Researcher, South Africa.



Dion Shango



Sanesha Naicker



Dr Naledi Pandor

Dr Naledi Pandor, Minister of International Relations and Cooperation, chose UP for her PhD in Education because she "was told that the Education Faculty had a good team and offered powerful postgraduate support". The minister, who holds a Master's in Education policy and practice in multi-racial societies, and another in Linguistics from the applied linguistics perspective, said: "I knew that given my schedule I should be registered at an institution with a good PhD programme. Several friends referred me to UP." She graduated in April 2019.

In the 2019 QS World University Rankings by Subject Report, UP's Faculty of Education was placed in the 201-250 range of top universities worldwide.

Brandon Josi, who has a master's in Supply Chain Management, MPhil Supply Chain Management (2018), **Sbusiso Buna** (BCom Law, 2016 and LLB, 2018) and **Louis van der Walt** are the creators of Doot. This application is a dining platform for travellers to Japan to connect with locals over authentic meals away from tourist traps – travellers get to experience the local cuisine and learn about Japanese culture, while the host gets to practise English.



Brandon Josi



Sbusiso Buna



Louis van der Walt

QUALITY TEACHING

None of our achievements would be possible without a strong academic corps and our researchers remain prolific producers of knowledge in their quest for solutions. The DHET report, released in March 2019, shows that UP achieved the highest percentage (10,93%) of the total research output units of all South African universities for 2017. Fifty-three UP researchers are in the top 1% according to the Web of Science Index of 2019.

In addition, our academic staff continue to improve their qualifications and just over 67% now have doctoral degrees. The qualification levels of academic staff have a direct impact on the capacity for research supervision and productivity and 2018 saw the number of doctoral graduates increase by 20% from 355 in 2017 to 427. A further measure of our quality teaching corps is the number of researchers who have achieved a National Research Foundation (NRF) rating. This number increased to 528 in 2018 (460 in 2017).

The NRF is the guardian of a rating system that rigorously and fairly defines world-class researchers. Our 15 A-rated researchers are recognised as leading international scholars in their field for the high quality and impact of recent research outputs. Our Y-rated scientists number 90, indicating a high ratio of promising young researchers, which bodes well for our pipeline of talent. The NRF defines Y-rated researchers as scientists under the age of 35 who show the potential to become the country's future innovators.

The visibility of our lead researchers is demonstrated in the Essential Science Indicators (ESI) database. The ESI database covers



53

Number of UP researchers in the top 1% of the world

Source: Web of Science Index of 2019.

FLY@UP

Offers support for students to graduate in minimum time

74%

Of students in the 2018 NSC exams with nine or more distinctions applied to study at UP



65%

Of students in the 2018 IEB exams with eight or more distinctions applied to study at UP

528

NRF-rated researchers



67%

Staff with PhDs



82,4%

Full-time undergraduates who pass their exams



TOP 1%

UP ranks in the top 1% internationally in eight fields:

Agricultural Sciences

Clinical Medicine

Engineering

Environment/Ecology

Immunology

Microbiology

Plant and Animal Sciences

Social Sciences



Source: Web of Science Essential Science Indicators



A campus connectivity project has improved Wi-Fi coverage across campuses and lecture venues.

22 knowledge fields, and we are rated among the top 1% globally in eight fields: agricultural sciences, clinical medicine, engineering, environment/ecology, immunology, microbiology, plant and animal sciences, and social sciences (general).

In the QS World University Rankings by Subject report, UP improved its global position significantly in four of the five broad subject areas (arts and humanities; engineering and technology; life sciences and medicine; and social sciences). With around 26 000 universities globally, this puts UP in the top 1,9% of universities worldwide.

In UP's biennial graduate destination survey, the percentage of students going on to further study increased dramatically. This is good news as the purpose of our teaching is not only that students get jobs, but that they go on to further study and become a pipeline for the next generation of academics.



Top from left: Danielle Twilley, Simon Motsweni, Simon Botha, and Danielle Roodt. Left: Nicole Neyt, John Messiahs, and Keketso Mbeve.

Student accolades

The leadership qualities and academic excellence of our students are demonstrated in the awards they received, some of which are listed here:

- **Danielle Twilley**, a PhD student in Medicinal Plant Science, received the L'Oréal-UNESCO Women in Science International Rising Talents Award for her world-class research into cancer therapies.
- For the first time in its 26-year history, the winner of the International Manfred Lachs Space Law Moot Court Competition, held in Bremen, Germany, was an African team: students **Simon Motsweni** and **Simon Botha** from UP's Faculty of Law. Simon Botha also won the Sterns and Tennen Award for Best Oralist.
- **Danielle Roodt** received the Department of Science and Technology Fellowship Award for her PhD studies in the Forest Molecular Genetics Programme at the Forestry and Agricultural Biotechnology Institute.
- **Nicole Neyt**, a PhD student in the Riley Research Group in the Department of Chemistry, received the first prize in the Royal Society of Chemistry's Twitter poster conference in the category of engineering for her work in flow chemistry.
- Each year the *Mail & Guardian* profiles young South Africans who have an impact in their field of work. Nine UP students and alumni were among the top 200 young people in the *Mail & Guardian* competition. Two UP students received 100 Young Mandelas of the Future awards: **John Messiahs**, a first-year MBA student at GIBS; and **Keketso Mbeve**, a final-year Chemical Engineering student.

WE INNOVATE

UP has consistently achieved research outcomes that place it among the top-performing research institutions in Africa. We intentionally focus on 'research that matters', and thematic areas that demonstrate the impact on society.



The Future Africa campus provides a dynamic living, learning and research environment.

While UP's areas of research strength are wide-ranging, we have a particular impact in Animal Sciences and Zoology, Plant Sciences, Genetics, Economics and Econometrics, Veterinary Science linked to Parasitology and Virology, Forestry and Ecology, Evolution and Systematics.



World firsts

- Professor Mashudo Tshifularo (left) and his team at the Faculty of Health Sciences have performed the world's first middle-ear transplant using 3-D printed bones.
- UP researchers, led by Professor Roger Deane (centre), were part of the international team that used a global network of antennas to make the first image of a black hole.
- A lioness gave birth to two cubs conceived via non-surgical artificial insemination, the first in the world, thanks to a team of researchers from the Mammal Research Institute and the Faculty of Veterinary Science (right).

Our current research focus is on 21st Century-relevant areas, in particular big data and digital technologies, smart transport and smart cities, and food security.

As a university, we are strategically placed to play a leading role in advancing the type of science needed to address the complex problems that confront Africa, its people and the environment, and to position it as the hub for continental and global research networks on major developmental and global challenges.

SCIENCE STANDING

An indicator of the level of recognition we enjoy for our high-impact research, are the six new Research Chairs the University was granted in 2018. They will address pressing challenges such as green energy, food security, and artificial intelligence and enable us to continue building knowledge and delivering research that is relevant. UP has 19 DST-NRF SARCHI Chairs and 33 industry-sponsored Research Chairs.

The increasingly global and interconnected nature of research is driven by two shifts in science: realising that the challenges facing humanity are of a global nature and cannot be solved at local scales alone; and, given the complexity of the problems, disciplinary interconnectedness is required, drawing on a network of expertise often from outside institutional and national boundaries.

The ARUA CoE in Food Security was launched in December 2018, which UP hosts in collaboration with the Universities of Nairobi and Ghana. The Centre will focus on seeking solutions to addressing food

RESEARCH CHAIRS



19 DST-NRF
SARCHI
Chairs

33 industry-
sponsored
Research Chairs



CURRENT RESEARCH FOCUS

Big data and digital technologies
Smart transport and smart cities
Food security

1ST

UP is the first university
in Africa to collaborate
with Initiatives for Science,
Innovation, Territories, and
Economy and the Montpellier
University of Excellence
(I-SITE MUSE).

ARUA

UP is part of The African Research
Universities Alliance (ARUA), a
network of 16 of the region's
leading research universities



17

Number of
patents granted:
11 international
6 South African



UP was successful in its bid to host the ARUA Centre of Excellence in Food Security, in collaboration with the Universities of Nairobi and Ghana.

insecurity in Africa. The African Research Universities Alliance (ARUA), launched in 2015 in Dakar, is a network of 16 of the region's leading research universities.

UP is the first university in Africa to be invited to enter into a formal collaboration with Initiatives for Science, Innovation, Territories, and Economy and the Montpellier University of Excellence (I-SITE MUSE). Priority research focus will be in the areas of the health sciences, food security, and agriculture.

The sod-turning ceremony for The Future Transportation Hub took place on 4 December 2018, with completion of the facility planned for December 2019. Pictured are Skhumbuzo Macozoma (left), CEO of SANRAL, and Professor Cheryl de la Rey.



Hello, 4IR

UP is prepared for the future, with the following new developments in 2018:

- The Naspers Research Chair in Machine Learning will develop Artificial Intelligence (AI), and specifically Machine Learning skills in South Africa.
- The Future Transportation Hub forms part of our focus on future transportation and smart cities. The vision is to have a research hub where industry, academia, government and research students can develop future innovation to make South Africa and Africa a smart country and continent.
- The AEL Mining Service Chair in Innovative Rock-breaking Technology will ensure that the South African mining industry keeps pace with international developments by focusing on the visualisation of mining environments and blast simulation.

INTERNATIONAL RANKINGS

The international ranking of universities remains an important feature as they influence, among others, an institution's visibility and positioning in comparison to its peers, student choices and the overall competitiveness of an institution.

In 2018, we managed to retain our position among universities globally and, within a highly competitive environment, also to strengthen our position within some rankings and in specific knowledge fields.

In the Academic Ranking of World Universities (ARWU) rankings released in August 2018, UP was the only South African university to improve its ranking. From being in the 501-600 range in 2017, we are now placed in the 401-500 band, and third nationally (together with Stellenbosch University), up from the sixth position in 2017. UP was also third among South African universities in the QS Emerging Economies University rankings. In the Times Higher Education (THE) Emerging Economies University Rankings – that includes 378 universities across 42 countries and four continents – UP was placed at #66, up eight places from 2017.

Consistent with our vision of becoming a leading research-intensive university in Africa, UP has made major research breakthroughs in a number of areas that not only demonstrate the quality of our research and the calibre of our academics but also research that matters in transforming lives, sectors, communities and society.

WE IMPACT



Our primary goal is not only to produce quality graduates but also to produce graduates with attributes that go beyond mastery of their fields of study; graduates who can interact successfully in a globally interdependent world, and who are prepared for the challenges of a diverse world.

Our intention at UP is not just for our students to graduate successfully. Employability is the unspoken outcome of our teaching and we are pleased that 93% of our graduates are employed within six months or go on to further their studies.

Our students gain key employability skills through UP's Work-readiness and Entrepreneurship programme (WREn). This co-curricular programme facilitates student learning outside the formal learning programme for their degrees, thereby equipping them with attributes required for success in the world of work.

In 2018, employers ranked four UP students in the Top Ten of the GradStar programme, while 30 students made it to the Top 100. This practical example is underscored by an international ranking where UP is positioned at #228 for employer reputation in the QS World University Rankings for 2018/19.



The GradStar programme selects the Top 100 university students, based on leadership, readiness for the workplace, and academic performance. In 2018, 30 UP students were in this group. Four made it to the "Ten of the Finest": Bernice Mabaya (BCom, Financial Sciences), Kirsten Dempsey (LLB), Michelle Oelofse (BCom LLB), and Roger Wyllie (BCom).



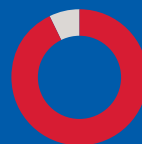
Getting a head start

Palesa Motaung, a Soil Science student in the Faculty of Natural and Agricultural Sciences, was chosen as the South African champion in the Entrepreneurs' Organisation (EO) Global Student Entrepreneurs Awards, an annual competition that recognises students who successfully run a business while studying full-time.

Realising that not all students may find formal employment, there are various opportunities at UP for them to train as entrepreneurs:

- The UP Business Incubator in the Faculty of Economic and Management Sciences offers free support services to potential and new entrepreneurs on campus.
- Enterprises UP offers courses such as Business Management and Entrepreneurship and e-skills for entrepreneurs.
- The Entrepreneurs POD online course is open to students, regardless of their field of study.
- TuksNovation, a new high-tech business incubator that initially supported students in the Faculty of Engineering, Built Environment and Information Technology (EBIT), is being expanded to other science and technology-linked faculties at UP.

UP is also home to the first Library MakerSpace in South Africa. A MakerSpace is a creative laboratory where people with ideas can get together with people who have the technical ability to make these ideas become a reality. A MakerSpace is often associated with fields such as engineering, computer science, graphic design and digital art, and although the physical space is important, it is the collaboration between individuals with distinct areas of knowledge that is fundamental to fostering this creative environment.



93%

Of UP graduates are employed or enrolled for further studies within six months of graduating

HIGH REGARD

Employers continue to rate our graduates highly



Source: QS World University Rankings for 2018/19



33 000

Students involved in community projects

R1,3BN

Total of loans and bursaries awarded in 2018.



UP researchers have also used technology to improve quality of life. Prof De Wet Swanepoel, professor of Audiology, and his team developed a world-first smartphone App, hearZA (the National Hearing Test of SA) and hearScreen USA, which allows people to test their hearing within three minutes. If the App detects hearing loss, it recommends the nearest audiologist. The App's accuracy to identify hearing loss exceeds 90% and generates a personal profile, allowing users to track their hearing ability over time.

Hearing loss affects one in seven people globally and this will increase with an ageing world population. Called a silent epidemic, if left untreated, hearing loss could affect children in terms of speech, language, cognition and socio-emotional well-being. In adults it could result in increased depression, cognitive decline, withdrawal from social interactions and a three-fold increased risk of dementia.



UP Museums has teamed up with the Library MakerSpace and Digitisation Division to create a 3D scan of the Anton van Wouw sculpture, *The Basotho Witness*. Besides capturing every detail of the physical sculpture, additional information is gathered from the archival records and digitised to enrich the 3D model. Such digital content will allow the museum to interact with a much wider audience and make its collections more accessible.



STUDENT FUNDING SUPPORT

Access to student funding remains a major factor inhibiting access to higher education. It is therefore a priority for UP as we strive to serve the national goal of increasing access to affordable university education for all deserving students.

In 2018, UP awarded just over R1,3bn in loans and bursaries.

We make substantial contributions from our own funds to support students: in 2018, this contribution increased to R145,7m. Our own efforts are bolstered by significant scholarship funding from philanthropic foundations for a number of specific programmes. The largest of these are the Michael and Susan Dell Foundation, the MasterCard Foundation and the Carnegie Foundation.

A number of Sector Education Training Authorities (SETAs), including Fasset, Bankseta and Inseta, are supporting students through bursaries. In 2018, we received more than R10,8m from SETAs.

IMPACT AS AN ANCHOR INSTITUTION

We work closely with the Hatfield City Improvement District (HCID) to create a clean, safe, secure, and attractive environment beyond the University boundaries. Our efforts were recognised when we received the 2018 Gauteng Premier's Service Excellence Award in the category "Creating Safer Communities".

The University subsequently secured funding from the Kresge Foundation in the United States to develop an Urban Design Framework for the Hatfield Campus Village. The project has drawn interest from the Gauteng Department of Infrastructure Development (GDID), which hosted a series of workshops with other universities in the province to encourage them to undertake similar projects to the Hatfield Campus Village initiative.

We are approached frequently to provide services and/or support to national departments. One such example is The Cities Support Programme (CSP), a SA National Treasury initiative, designed to improve service delivery and municipal performance. The theme of the 2018 Executive Leadership Programme (ELP), developed in partnership with GIBS, was "Leading Future Cities: Navigating Today's Complexity". The programme targets mayors, mayoral committee members, senior city management teams and the CSP coordinators of eight metros.

We implement various strategies to save energy, and to reduce water consumption and the University's carbon footprint. Solar panels have been erected on the roofs of the Merensky Library and Technical Services buildings on the Hatfield Campus, with plans to extend the use of solar panels to other UP sites.

But it's not just in the area of electricity that UP is being prudent. We



also harvest rainwater and make use of the many registered boreholes around our campuses for irrigation purposes. This helps reduce our consumption from municipal reservoirs.

Sophisticated technologies monitor our buildings' consumption of electricity and water in real time, which minimises any loss due to leaks and faulty equipment.

Another green area that gets our attention is recycling. An e-waste recycling container is available for old computers, cellphones, batteries, and other e-waste, while a facility for recycling glass, paper and other waste is also available.

At the Experimental Farm, all our green waste is processed into usable compost that is then reintroduced to feed our beautiful gardens. Through a tree-planting programme, UP has planted 1 735 trees since 2014, and for every one tree that needs to be removed, three more trees have to be planted. For any new structures to be erected, the design teams must comply with a Four Star Green Rating.

These measures have seen the University halve its carbon footprint in the past year.

SOCIAL CAPITAL THROUGH COMMUNITY ENGAGEMENT

We derive great satisfaction from the success of our community engagement programme, which has been running for more than a decade. Students earn credits towards their degrees, while applying their knowledge in the service of the community.

More than half of our students (33 000) were involved in community engagement in 2018. Volunteers from 120 registered student societies also contributed to the sustainability of the various community sites of learning.

Our community engagement initiatives were significantly strengthened by our involvement in the University Social Responsibility Network (USRN), a global network of 16 top universities in the world selected for their responsiveness to their local context. We consider it critical that we use knowledge to make a decisive difference to the lives of the people in our communities.



WE MAKE A DIFFERENCE



WE LIVE

A university is shaped as much by what happens on campus as what happens off campus and we work tirelessly to ensure that we remain relevant by working for society, with society. Our intention is for our students to also emerge as citizens with a deep sense of civic responsibility.



Olu Yakhe, a self-taught soprano, was one of the winners of the 2018 Javett Music Awards.

As one of South Africa's oldest and most prestigious higher education institutions, the University of Pretoria produces sought-after graduates who are well-rounded citizens shaped by our holistic approach to education, which is enabled by a wide range of campus activities and student societies, including sports, arts and culture.

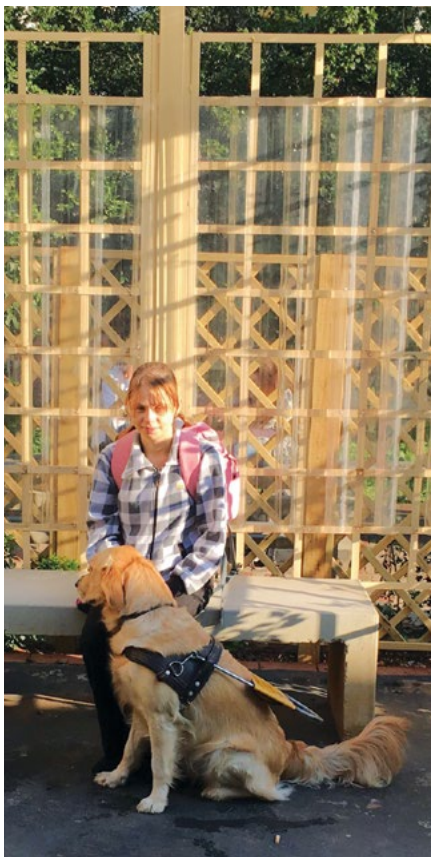
STUDENT WELL-BEING

UP supports student well-being through a variety of programmes.

The **Student Nutrition and Progress Programme** supports underprivileged students at UP. Students on the programme receive funding support for meals or food parcels during the academic terms to sustain their basic needs. In 2018, more than R700 000 was made available from the UP budget to support students.

The **Student Counselling Unit** offers professional counselling and therapeutic support to ensure that students are equipped to deal with trauma, personal and academic stress, make correct career choices, and be academically successful.

The **Student Health Services Unit** provides basic health services to students on all campuses through full-time nursing staff and session doctors.



Guide dogs have a dedicated rest area in the garden outside the Disability Unit's offices on the Hatfield Campus, an example of the University's comprehensive accommodation of persons living with disabilities.

The **Triple L + 1 programme** promotes an environment that fosters academic success, diversity and community building in our university residences. The programme focuses on conversation to achieve understanding (Listening), creating a sense of belonging and the holistic development of all residents (Living), promoting Learning, and leaving a positive and innovative Legacy.

The Student Well-being Dialogue programme that was developed for the residences in 2017 was fully rolled out in 2018. The programmes address topics such as life skills, healthcare and mental health, diversity, financial training, sexual behaviour, addiction, academic skills and stress management.

There are several initiatives to include students with disabilities. Through the University's **Disability Unit**, first-year students with visual disabilities completed mobility training sessions, which include basic cane skills and route training to the bus stops and other campus common facilities and buildings. Tactile paving on campuses help staff and students who are visually impaired to safely and easily move around the University.

We also implemented various anti-discrimination initiatives in 2018, the key highlight of which was a week of anti-discrimination activities on campus. The week focused on the need to create a university environment where everyone felt that they belonged and their cultures were represented.

SPORTS AND THE ARTS

The University of Pretoria is undoubtedly Africa's premier sports university in terms of sports performance and 2018 cemented that reputation. Many of the athletes making national and international headlines wear the Tukkies blue, gold and red emblem on their sleeve.

Several TuksSport athletes excelled in the 2018 Gold Coast Commonwealth Games held in Australia: Tatjana Schoenmaker won gold in the Women's 100m breaststroke swimming event; Akani Simbine secured gold in the men's 100m final (10.03s) and Henricho Bruinjies silver (10.17s).

For the second consecutive Commonwealth Games, the SA 4x100m-relay team set a new national record and won the silver medal. Three of the four are TuksAthletics athletes – Anaso Jobodwana, Emile

Erasmus and Akani Simbine. South African 400m-hurdles champion, Wenda Nel, won a bronze medal in the 400m hurdles and made SA athletics history as the first SA female athlete to win a medal in the longer hurdles event at a major international competition.

UP's focus on sport and sport development, also through our world-renowned High Performance Centre, is a major drawcard for student athletes to study at UP. With the new Sport, Exercise Medicine and Lifestyle Institute (SEMLI) launched in 2018, UP will further distinguish itself as a centre of excellence in sports medicine, sports science and research on healthy lifestyles.

UP's Ovuwa Cultural Ensemble conducts extensive research about different genres of cultural, folk and indigenous music and dance



3 OUT OF 4

The SA 4x100m-relay team has three TuksAthletics athletes – Anaso Jobodwana, Emile Erasmus and Akani Simbine

1ST WOMAN

400m-hurdles champion, Wenda Nel, made SA athletics history as the first SA female athlete to win a medal in the longer hurdles event at a major international competition



forms that represent South Africa's diversity and performs them with pride, grace and radiant energy. Ovuwa offers a cultural exchange space through these performances and has good relationships with nationally and internationally acclaimed groups such as Umoja, Soweto Gospel Choir and Creole from Colombia. Their international trips serve as a great platform for ensemble members as they are given the opportunity to not only learn about other cultures but also to teach and illustrate South Africa's diversity.

The jewel in our arts and culture crown is University's Tuks Camerata. The choir celebrated its 50th anniversary in 2018 and topped its many national and international accolades over the years by being nominated for a South African Music Award (SAMA) for the Best Traditional Music Album. The CD, *Indodana*, is shared on Choral Stream with more than 260 000 views.



UNIVERSITY OF PRETORIA RESIDENCES 2019

HATFIELD & HILLCREST
CAMPUS

Asterhof	Female
Azalea	Female
Erica	Female
House Khutso	Female
House Mags	Female
House Nala	Female
Madelief	Female
Nerina	Female
College	Male
House TAU	Male
Mopane	Male
Morula Legae	Male
The Tower	Male
Tuks Ekhaya	Male
TuksVillage	Mixed
Xayata	Mixed

HATFIELD CAMPUS
POSTGRADUATE

Jakaranda	Mixed
Protea Mbalenhle	Mixed
Tuksdorp	Mixed

GROENKLOOF CAMPUS

Hayani	Female
Ikageng	Female
Zinnia	Female
Tirisano	Male

ONDERSTEPOORT
CAMPUS

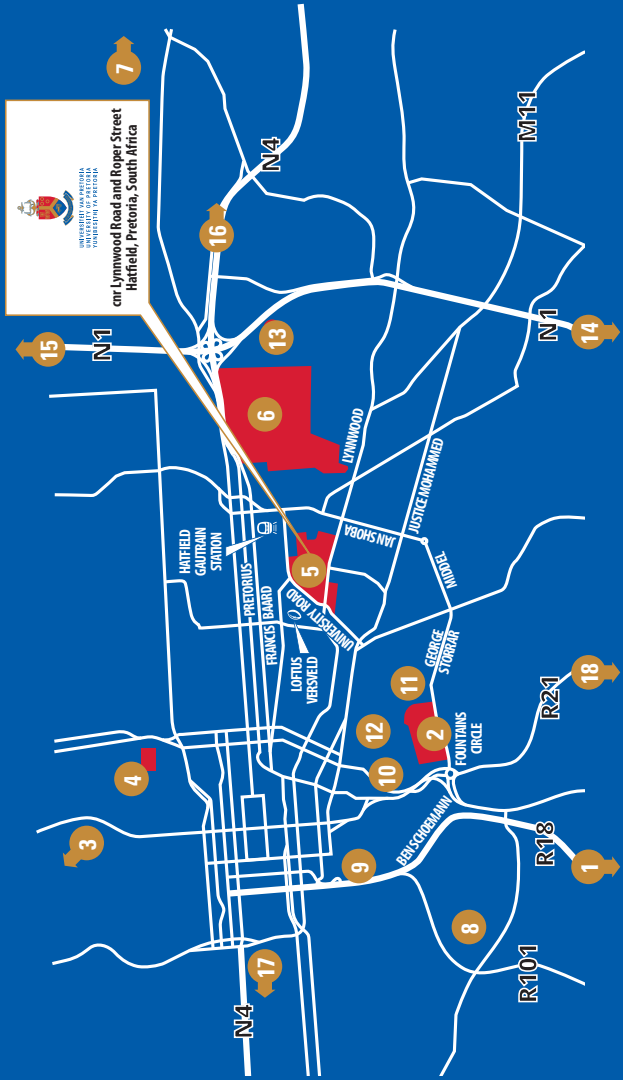
OP Village	Mixed
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PRINSHOF CAMPUS

Curelitzia	Female
House Ukuthula	Male
Hippokrates	Mixed
Tuks Bophelong	Mixed

LEASED PROPERTIES

Apartments on William	Mixed
Eastwoods Village	Mixed
Flowers Edge	Mixed
Hatfield Square	Mixed
Urban Nest	Mixed



- | | | | | | | | |
|---|------------------------------|---|---|----|--------------------|----|---------------------------------------|
| 1 | GIBS, Illovo Campus, Sandton | 6 | LC de Villiers Sports Grounds & Experimental Farm | 10 | Unisa | 16 | N4 to Witbank |
| 2 | Groenkloof Campus | 7 | Mamelodi Campus | 11 | SABS | 17 | N4 to Rustenburg |
| 3 | Onderstepoort Campus | 8 | Voortrekker Monument | 12 | Telkom Tower | 18 | R21 to OR Tambo International Airport |
| 4 | Prinshof Campus | 9 | Pretoria Train Station | 13 | Innovation Hub | | |
| 5 | Hatfield Campus | | | 14 | N1 to Johannesburg | | |
| | | | | 15 | N1 to Polokwane | | |



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