

POSTGRADUATE STUDIES

AT THE UNIVERSITY OF PRETORIA

FlyHigher@UP

2023/24



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Make today matter



CONTENTS

MESSAGE FROM THE VICE-CHANCELLOR AND PRINCIPAL	2
INTRODUCTION TO UP	4
#CHOOSEUP	4
POSTGRADUATE PROGRAMMES OFFERED	9
Honours Degree – Your gateway to postgraduate studies	9
Postgraduate Diploma – Advanced development	9
Master's – Advanced research-based degrees	9
PhD (a Doctorate) – Most advanced research degree	9
HOW TO APPLY FOR POSTGRADUATE STUDIES	10
Checklist	10
UP application process for postgraduate studies	10
SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA) PROCEDURES	11
Immigration clearance	11
FINANCING YOUR STUDIES	12
ACCOMMODATION FOR POSTGRADUATE STUDENTS	13
FINDING THE RIGHT SUPERVISOR	14
RESEARCH ETHICS AND INTEGRITY	14
POSTGRADUATE SUPPORT AND DEVELOPMENT	14
LIBRARY SERVICES	15
FACULTIES AT UP	16
Faculty of Economic and Management Sciences	16
Faculty of Education	17
Faculty of Health Sciences	17
Faculty of Engineering, Built Environment and Information Technology	18
Faculty of Humanities	19
Faculty of Law	19
Faculty of Natural and Agricultural Sciences	20
Faculty of Theology and Religion	21
Faculty of Veterinary Science	22
Gordon Institute of Business Science	23
INNOVATION PLATFORMS	24
POTENTIAL OPPORTUNITIES BEYOND POSTGRADUATE STUDIES AT UP	26
ABOUT PRETORIA	27

Produced by the Department of Enrolment and Student Administration in December 2022.
Comments and queries can be directed to ssc@up.ac.za or tel: +27 (0)12 420 3111.

Disclaimer: This publication contains information about regulations, policies, tuition fees, curricula and programmes of the University of Pretoria applicable at the time of printing. Amendments to, or updating of the information in this publication may be affected from time to time without prior notification. The accuracy, correctness or validity of the information contained in this publication is therefore not guaranteed by the University at any given time and is always subject to verification. The user is kindly requested to always verify the correctness of the published information with the University. Failure to do so will not give rise to any claim or action of any nature against the University by any party whatsoever.



MESSAGE FROM THE VICE-CHANCELLOR AND PRINCIPAL

Welcome to the University of Pretoria!

We are very pleased that you are interested in enrolling, or have already enrolled at this University for your postgraduate studies.

Professor Tawana Kupe
Vice-Chancellor and Principal



We greatly value the inclusion of international students, postgraduate students and postdoctoral fellows in our institution. You add to our University's diversity and social cohesion, and bring different views, experiences and ways of doing things that contribute to knowledge creation in South Africa, Africa and globally, with particular emphasis on the Global South.

You all play a key role in contributing towards UP becoming a leading research-intensive university in Africa, recognised internationally for its quality, relevance and impact, and for developing people, creating knowledge and making a difference locally and globally.

Postgraduate programmes play an important role in further developing your critical thinking and problem-solving skills through research and contributions to knowledge creation. To help you to achieve your academic goals, UP is proud to offer excellent teaching and learning facilities, as well as an environment that is stimulating and conducive to cutting-edge research and innovation. We have world-class research laboratories, close to 70% of UP academic staff have PhDs, and we have a growing cohort of postdoctoral fellows.

In line with our mission to pursue recognition in our core fields, we consolidate many of our activities in numerous centres and institutes where highly rated leading researchers focus on fundamental and challenging research to ensure a sustainable future. UP has close to 600 National Research Foundation (NRF)-rated researchers—more than any other South African university—including several who received A ratings and are recognised by their peers as leading international scholars in their fields for the high quality and impact of their research outputs.

UP is renowned for research that significantly benefits society and is currently rated among the top 1% globally in 13 of the 22 Essential Science Indicator (ESI) fields.

These fields are plant and animal science, clinical medicine, environment/ecology, engineering, molecular biology and genetics, microbiology, chemistry, biology and biochemistry, social sciences, immunology, economics and business, agricultural sciences and pharmacology, and toxicology. Recent major scientific breakthroughs by the University's researchers include the restoration of hearing by using a 3D-printed middle ear; participating in the very first imaging of a black hole; performing artificial insemination on a lioness that resulted in the birth of healthy cubs; the discovery of new compounds for the treatment and possible elimination of malaria; sequencing of the first fungal genome in Africa; the discovery of a number of medicinal plants; and the development of a mobile application for screening hearing. We hope that as a postgraduate student your curiosity about the world and your desire to solve problems will enable you to add to this impressive list.

As an African global university, we are passionate about collaboration and mobilising and harnessing partnerships for greater leverage, innovation and impact. Through UP's African-Global University Framework, we are bringing together 30 to 40 African and international universities as strategic partners to broaden and deepen joint research endeavours. Approximately 44% of the research conducted at the University is pursued with international collaborators and through multifaceted international programmes. Our researchers are prolific producers of knowledge in their quest for innovative and better solutions and a greater understanding of our world and the universe.

In the past few years we have developed four new dedicated transdisciplinary innovation hubs that focus on solving some of the world's most pressing problems. These platforms host and develop government-industry-university research programmes to address national and Pan-African needs for sustainable development and economic growth. We enable collaboration and partnerships between multiple stakeholders to co-create new knowledge that translates into solutions so that knowledge and innovation can be used to transform lives. These UP 'science for transformation' platforms are on the Future Africa Campus, a hub

for Pan-African thought on complex problems, as reflected in the Sustainable Development Goals (SDGs) and Agenda 2063; the Javett-UP Art Centre, which serves as a driver of transdisciplinary research development between the humanities and other faculties while making the art of Africa accessible, relevant and engaging; Engineering 4.0, a facility for smart cities and transport systems using technology and data science to assist with urban development; and Innovation Africa@UP, which is focused on smart, sustainable and precision agriculture to ensure food security. They operate through research networks within UP, across Africa and globally.

This brochure provides you with an overview of the many facets of UP—from our academic offerings to our support services—that will enable you to succeed and enhance your academic skills on your postgraduate journey. This environment contributes to UP's status as one of the top universities on the continent. We have a number of bursaries and scholarship opportunities for which our students can apply to assist with their studies.

We welcome you to a diverse student population with thousands of students from around the world at home at UP. Pretoria is the capital of South Africa, and our campuses are situated in the heart of the diplomatic and research hub of our country. Since our qualifications are internationally benchmarked and recognised, you can look forward to a bright future locally or globally if you have UP behind your name.

At the University of Pretoria you will experience a unique way of life. THE UP WAY is how we teach and learn, innovate, impact and live. We provide comprehensive support for your academic journey so that you can graduate on time. We believe in providing quality education that is accessible through a hybrid model that can include a combination of in-person and online engagements, depending on your field of study. We encourage research and innovation that seek to discover African solutions to local and global challenges. We deploy our skills and resources to transform lives, communities, sectors, our country and continent, and to create a better world. We provide work-readiness programmes and entrepreneurial training to prepare our students for the world beyond university. We believe in ethical leadership and conduct, and encourage our students to have a good work ethic, to be active and engaged citizens who contribute to society, and to live in a way that is respectful and understanding, and embraces the humane in all of us.

Thank you for choosing UP for your postgraduate journey. We look forward to meeting you!

Professor Tawana Kupe
Vice-Chancellor and Principal



INTRODUCTION TO UP



VISION

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



MISSION

In pursuing recognition and excellence in its core functions of research, teaching and learning, and integrating engagement with society and communities into these, the University of Pretoria will use quality, relevance, diversity and sustainability as its navigational markers.

#CHOOSEUP

Have you completed your studies and are you looking for a suitable postgraduate programme?



Look no further than the University of Pretoria (UP)! We offer a wide range of exciting postgraduate degree programmes that will further develop your skills.

Being one of the largest research universities in South Africa, we search for African solutions to global problems. We attract students from around the world who want to work and study at our excellent facilities and with our world-class researchers. The University has nine faculties, each of which has its own research focus areas and research interests. The faculties are well equipped with state-of-the-art research facilities, laboratories, academic libraries and skills development and practical learning opportunities. We pride ourselves on encouraging innovation by ensuring that UP innovators' inventions are patented by the Technology Transfer Office (TTO).

The TTO has been involved in the establishment of more than 10 start-up companies that together employ more than 200 people.

Since we are aware of how overwhelming postgraduate studies through research or coursework can be, we provide our students with support for their studies to ensure that they complete them successfully and in a timely manner. The **FlyHigher@UP** programme ensures that postgraduate students have access to all the information and tools needed to take their career planning and research training to the next level.

As one of the top universities in Africa we produce socially impactful research to find solutions for the world's most pressing issues. We offer a high quality of teaching and learning in the classroom, online and in communities.

#CHOOSEUP

There are many good reasons for you to consider furthering your education at the University of Pretoria. Here are some of the reasons why UP should be at the top of your list:

CREATING A FUTURE-FOCUSED UNIVERSITY WITH... A WIDE ACADEMIC OFFERING

UP HAS
9 FACULTIES AND 1 BUSINESS SCHOOL



Economic and Management Sciences



Gordon Institute of Business Science



Education



Engineering, Built Environment and Information Technology



Health Sciences



Humanities



Law



Natural and Agricultural Sciences



Theology and Religion



Veterinary Science
Only faculty of its kind in South Africa



4
Centres of Excellence



51
Research Chairs



82
Research Institutes and Centres



1 175
Study programmes



120
Academic departments

Unless indicated to the contrary, all statistics are provided by the University of Pretoria's Department of Institutional Planning and are valid as at August 2022.

The traditional SA university with the most

- Academic staff with PhDs (70%)
- NRF-rated researchers (613)
- Students enrolled (53 912)

2022 THE Impact Rankings

According to the latest Times Higher Education Impact Rankings (2022), released in May 2022, the University of Pretoria was named South Africa's second-best (joint second) and Africa's third-best (joint third) university.

PREPARING FOR THE FUTURE WITH ... QUALITY EDUCATION



**TOP
1% IN THE WORLD**

UP falls in the top 1% internationally in 13 fields:

- Agricultural Sciences
- Biology and Biochemistry
- Molecular Biology and Genetics
- Pharmacology and Toxicology
- Chemistry
- Clinical Medicine
- Economics and Business
- Engineering
- Environment/Ecology
- Immunology
- Microbiology
- Plant and Animal Sciences
- Social Sciences¹



QS World University Rankings rate UP
#1 in South Africa for



#33 in the world for
Mineral and Mining Engineering

- Veterinary Science
- Accounting and Finance
- Economics and Econometrics
- Mechanical, Aeronautical and Manufacturing
- Engineering
- Electrical and Electronic Engineering²



Among the world's top universities in
20 subjects



Times Higher Education ranks UP
#1 in South Africa for industry, innovation, and infrastructure
#1 in South Africa for Computer Science³

References

1. Web of Science Essential Science Indicators 2. 2022 Quacquarelli Symonds (QS) World University Rankings by Subject 3. THE Impact Rankings for 2021



FOCUSING ON TOMORROW'S SUCCESS BY... THINKING GLOBALLY



3 000 x 223 x 70 x 6

UP collaborates with over 3 000 institutions with 223 international partnerships across 70 countries and six continents

Ranked among Top 50 universities in the world⁴

Ranked among Top 100 universities in the world⁴



SDG 15:

Life on Land (#30)



SDG 8:

Decent Work and Economic Growth (#44)



SDG 17:

Partnership for the Goals (#86)



SDG 9:

Industry, Innovation, and Infrastructure (#88)

Ranked among Top 50 business schools in the world

At #43, GIBS is among just 15% of around 300 leading business schools globally that vie for a top-50 position⁵

Future-focused partnerships

- With **Advance.io** to develop an information hub to support the digitalisation of the agriculture and forestry industry
- With **Exxaro Resources** to establish a Chair in XR Technology to address mining industry challenges and identify the best available technologies for the solutions

An African global university

- Designated as the first WHO Collaborating Centre in Africa (for the prevention of deafness and hearing loss)
- Only university in Africa to be part of the University Social Responsibility Network
- Hosted the first Nobel Prize Dialogue in Africa
- Invited to join the prestigious Worldwide Universities Network, a global higher education network of 24 leading comprehensive research universities
- Launched South Africa's first exclusive Diabetes Research Centre at a public academic institution

References

4. THE Impact Rankings for 2021 5. UK Financial Times (FT) executive education rankings

SOLVING FUTURE CHALLENGES THROUGH... IMPACTFUL RESEARCH



Relevant research

- Produced unique nanobodies for use in rapid tests and as a therapy for COVID-19
- Part of an international team of researchers studying the 'eating habits' of black holes
- Member of the Event Horizon Telescope team, which revealed new evidence to help us understand how magnetic fields behave around black holes
- Part of an international team that discovered a potent chemical compound that could possibly treat and even eliminate malaria

Unique positioning

The Faculty of Veterinary Science at Onderstepoort remains the best in Africa with a number of milestone procedures:

- First successful CT scan performed on a live adult rhino
- Ground-breaking surgery on a filly suffering from an upper airway restriction
- A partial knee replacement on a cat to save its right leg from being amputated
- Specialised heart surgery on two dogs

Research focus areas

- Agriculture and sustainable food systems
- Climate change and the environment
- Economic development and sustainable futures
- Energy
- Heritage studies
- Inequalities, Social Justice and Human Rights
- One Health
- Smart infrastructure and innovation
- Water



17

A-rated researchers, recognised as leading international scholars in their field





SHAPING THE FUTURE WITH... NEW KNOWLEDGE



312 827

Number of UP alumni spread across 118 countries



First in Africa

- To implement Blackboard Ally to make digital courses more accessible to all students
- To introduce a chatbot to enhance student mental health and wellbeing



Ready to help

355

Study modules that involve community work

Socially responsible

UP is the only representative from Africa in the University Social Responsibility Network, an international group of 16 top universities

High Performance Centre

Nurtures some of Africa's greatest athletes, including recent Olympic medallists



Ready to work

- Recognised by the South African Graduate Employers Association (SAGEA) for the Best Work Readiness Programme
- Centre for Entrepreneurship supports existing entrepreneurs and develops youth entrepreneurship
- Centre for the Future of Work researches new ways of working to create future-fit world graduates



Strong learning support

- **FLY@UP** – ensures students can graduate in minimum time
- **FLYHIGHER @UP** – improves postgraduate success rate
- **Social learning spaces** – mimic real-world work and social environments
- **Connected campuses** – fibre optic connectivity across all campuses
- **Pre-University Academy (PreUA)** – targets talented learners and those with potential from different socio economic classes to pursue tertiary education. Learners acquire 4IR skills, learn how to integrate knowledge and are exposed to university facilities and teaching



Transdisciplinary research

Collaborative platforms co-create new knowledge that translates into solutions. Recent additions include:

- **Engineering 4.0** – a collaborative hub for Smart Cities and Smart Transport
- **Future Africa Institute** – a dedicated campus for transformative research relevant to Africa's development
- **Innovation Africa @UP** – integrating natural and agricultural sciences, technology and innovation
- **Javett-UP Art Centre** – focuses on the importance of Africa and its art



First for Africa

UP has the first portable emissions measurement system in Africa to help set realistic carbon emission targets.



Collaborative partnerships

- **African Global University Project** – develops young intellectual leaders with a global outlook
- **InnoFoodAfrica Project** – focuses on enhancing food and nutrition security in Africa
- **Alliance for African Partnership** – develops entrepreneurs and business initiatives (with Michigan State University)
- **United States-South Africa Higher Education Network Project** – promotes exchanges and collaborative research between UP, Rutgers University-Newark and the University of Venda
- **United Nations Children's Emergency Fund** – supports the JuniorTukkie programme, which helps learners make a successful transition to higher education through digital learning



93%
EXAMINATION PASS RATE



97%
OF CURRENTLY EMPLOYED
GRADUATES FOUND WORK
WITHIN SIX MONTHS OF
COMPLETING THEIR STUDIES⁶



PATENTLY SMART

In 2021, 11 patents were granted internationally while 7 were granted in South Africa. In addition, three previously filed trademark applications were registered and three license agreements were signed, two of which were for plant-extract related inventions. A total of 362 research contracts were concluded amounting to just over R500 million. The value of these signed agreements is the highest that has ever been recorded at the University of Pretoria.

There are a number of success stories. These include a technology to reduce the rate of evaporation of expensive chemical compounds that act as insect repellents, thereby making them last longer. The company's flagship product is a hiking sock that has been treated with the long-lasting insect-repellent. African Applied Chemical (AAC), a biotechnology company that was spun

off the University of Pretoria, has made great progress in the four years following the licensing of this invention. This invention was licensed to AAC in 2019. The company started shipping its first orders at the end of February 2020.

Another technology involves a device to achieve the continuous production of metal in powder form by means of electrolysis. The first prototype of this invention was developed in 2016. It transformed the standard batch or semi-batch electrowinning process into a continuous process. This was shown to work well for the production of copper, but could also be used to produce metals from aqueous solutions of cobalt, nickel and zinc.

The invention is licensed to the process-engineering start-up, Free Radical Process Design, a process engineering start-up, which developed as a spin-off company of the University of Pretoria. Free Radical Process Design plans to supply Rotowinner® plants internationally as fit-for-purpose plants, designed to client specifications, or to offer toll-treatment options to clients who want to make use of a containerised plant for short-term beneficiation. The CEO's of both companies are UP graduates.



POSTGRADUATE PROGRAMMES OFFERED

An extensive range of postgraduate study options are available, including vocation-oriented postgraduate diplomas and honours, master's and PhD degrees. Please look at the summaries of the faculties mentioned in the booklet.

HONOURS DEGREE – YOUR GATEWAY TO POSTGRADUATE STUDIES

Entry requirement: A bachelor's degree

Duration: One year of full-time study

POSTGRADUATE DIPLOMA – ADVANCED DEVELOPMENT

Entry requirement: A bachelor's degree (not necessarily in the same discipline)

Duration: One year of full-time study

IMPORTANT

Different faculties and programmes have different entry requirements, but meeting the minimum requirement does not guarantee admission. Consultation with the relevant faculty is advised.



Still need more information?

A visit to our Postgraduate Recruitment Office will help you decide which route to take. Contact pgrecruitment@up.ac.za.

MASTER'S – ADVANCED RESEARCH-BASED DEGREES

Entry requirement: A relevant honours degree or postgraduate diploma. A relevant bachelor's degree at NQF Level 8 may also be recognised.

Duration: Two to three years of full-time study

Requirements to be awarded your degree:

- A master's degree by dissertation – Acceptance of a dissertation or other form of research, such as a technical report, one or more creative performances or works, or a series of peer-reviewed articles or other research-equivalent outputs
- A master's degree by coursework and mini-dissertation – A research project comprising a minimum of 60 credits at NQF Level 9, culminating in the acceptance of a mini-dissertation or other forms of research (mentioned above)

PHD (A DOCTORATE) – MOST ADVANCED RESEARCH DEGREE

Entry requirement: A master's degree

Duration: Three to four years of full-time study

Requirement to be awarded your doctorate: Acceptance of a doctoral thesis, an original piece of work that contributes substantially to knowledge in the chosen field



HOW TO APPLY FOR POSTGRADUATE STUDIES

While various departments and faculties may have specific requirements, the following is a general guide to applying to UP for postgraduate studies.



CHECKLIST

- ✓ Make sure that you have the required qualifications.
- ✓ If your latest qualification was obtained at a foreign university, it must be evaluated by the South African Qualifications Authority (SAQA). Further details about the SAQA process are given below.
- ✓ Please start with the evaluation of qualifications process as soon as you have identified the programme for which you wish to enrol. This is a lengthy process and will require you to start as soon as possible.
- ✓ Read up about your chosen department on the UP website.
- ✓ Email queries to the administrator of your chosen department.
- ✓ Identify—and secure—a supervisor before applying. Please check with the Faculty whether this is a requirement.
- ✓ Have your official complete academic transcript of your latest qualification ready in order for your application to be considered.
- ✓ Make sure that you have all the necessary information about your proposed study programme.
- ✓ Decide whether you need funding and make enquiries about what is available to you (you will find more information on this on page 12).

Tip: Please pay attention to opening and closing dates for applying to study at UP. **We do not want you to miss out!**

Prospective students may contact Postgraduate Recruitment, email pgrecruitment@up.ac.za.

UP APPLICATION PROCESS FOR POSTGRADUATE STUDIES

- **Go to 'Apply at UP':** www.up.ac.za/online-application
- Complete the application form.
- Check the correctness of the information you supplied on the online application form.
- Submit your application.
- You will receive an acknowledgement of receipt email with your student number.
- Your faculty and/or academic department will now consider your application.
- The outcome of your application can be tracked via the UP Student Centre by following the instructions contained in the acknowledgement letter that was sent to you.

If you experience problems with the online application, you can contact Student Service Centre at ssc@up.ac.za.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA) PROCEDURES

Students who graduated at universities from outside of South Africa and who wish to apply for admission to postgraduate studies at the University of Pretoria should have their qualifications evaluated by the South African Qualifications Authority (SAQA). SAQA accepts only online applications for the evaluation of foreign qualifications.

The steps in the online application procedure are outlined on www.saqa.org.za.



STEP 1: Online registration and application

- Access the relevant link on the SAQA website by selecting Services > Evaluation of foreign qualifications > Online application. Register yourself online if you are a new client and/or log in.
- Select 'Evaluation certificate' and carefully read all the information.
- Click on 'Next' and complete the relevant sections.
- Once completed, print the online application form.
- Read and sign the declaration on the online application form. Unsigned application forms will not be processed.



STEP 2: Receipt of submission number and proof of payment for the SAQA service

- On the printout of the online application form you will automatically receive a submission number starting with 20.
- This submission number is your reference number for payment purposes.
- Please use this submission number when making the payment into the bank account.
- Proof of payment without a submission number is not valid.



STEP 3: Submission of documents together with the printed online application form

SAQA will only process applications on receipt of the following documents:

- The printed and signed online application form
- Proof of payment with the submission number as reference number
- The correct documentation according to the requirements, as stated on the online application form
- A certified copy of an official identity document

Contact information

Call centre	+27 (0)12 431 5000/70
Helpdesk	+27 (0)86 010 3188
Website	www.saqa.org.za
URL link	https://www.saqa.org.za/evaluation-foreign-qualifications?language_content_entity=en

IMMIGRATION CLEARANCE

Applicants from countries other than South Africa* receive comprehensive support while they are still in their countries of origin. The International Cooperation Division (ICD) in the Department of Research and Innovation provides guidance and advice on matters relating to immigration visa applications.

The ICD also helps international students to secure UP accommodation or UP-accredited accommodation and advises international students on how to obtain South African medical aid.

Before registration, international students are required to submit proof of legal status in South Africa and proof of adequate medical aid cover to the International Cooperation Office at the Graduate Centre.

Contact information

Tel	+27 (0)12 420 3111
Email	isd@up.ac.za
Website	www.up.ac.za/international-cooperation-division
Address	Graduate Centre, Hatfield Campus

Supporting documents

Upload these supporting documents to the UP Student Portal:

- A copy of a valid passport (data page) or identity document (in the case of students with permanent residence in South Africa) and a PR certificate
- A valid study visa endorsed for studies at the University of Pretoria, or one of the following:
 - An asylum transit visa
 - A Section 24 permit (refugee)
 - A diplomatic visa (diplomatic cards are not acceptable)
 - A work visa for part-time postgraduate students and a timetable/block schedule or confirmation letter from your supervisor
 - A relative's or visitor's visa, if endorsed for studies at UP

Permanent residents are still classified as international students and must submit a photocopy of their proof of permanent residence in South Africa before registration.

Note: Permanent residents of countries other than South Africa, including permanent residents of SADC countries, will be captured on UP systems as citizens of their original countries and tuition fees will be levied accordingly.

* Students who are not South African citizens

VISA application information

Study visas must be applied for at a South African embassy, mission, or consulate in your country of origin. Guidance on study visa requirements and application procedures will also be provided by the aforementioned institutions.

If you are currently in South Africa, obtain information on visa applications at:

Tel +27(0)12 425 3000

Email info.dhsa@vfshelpline.com

Website www.vsfglobal.com

Students entering South Africa for a period of up to 90 days
Students from countries exempt from South African visas who plan to spend 30–90 days or less in South Africa are NOT required to apply for study visas. In such cases they will be issued with temporary residence permits (TRP's) or stamps on arrival at the port of entry.

For a list of visa-exempt countries according to the intended duration of your stay (30–90 days), please access the following website: <http://www.dha.gov.za/index.php/immigration-services/types-of-visas>.

Students who are not from visa-exempt countries and who will be in South Africa for 90 days or less must apply for visitor's visas at the South African Embassy in their home countries.

Holders of temporary residence visas

Holders of valid temporary residence visas issued for the categories mentioned below will be allowed to register for and undertake part-time studies with institutions of higher learning, as defined by the immigration regulations of the Immigration Act No 13 of 2002 during the validity period of their visas:

- General work visa
- Critical skills work visa
- Intra-company transfer work visa
- Business visa

This provision allows for part-time study only. The duration of the programme/qualification must not exceed the period of validity of the primary visa.

Working on a study visa

Holders of study visas may work part time for a maximum of 20 hours per week.

Compulsory medical aid cover

International students who are holders of study visas, or who wish to apply for study visas in terms of South Africa's Immigration Act must have sufficient South African medical aid cover for the duration of their stay in South Africa.

International students who intend to study at the University of Pretoria may join one of the approved medical aid schemes listed at www.medicalschemes.co.za/regulated-entities/medical-schemes-in-south-africa.

FINANCING YOUR STUDIES

In order to build a knowledge economy through higher education, UP offers various types of bursaries to academically deserving students who are in financial need. Two broad categories of bursaries—UP-funded and externally funded bursaries—are offered to honours, master's and doctoral students.

Since different funding organisations have different eligibility criteria and conditions for the bursaries they offer, you should make sure that you are familiar with the requirements. Some bursaries are for South African nationals only, while others are available to both South African and non-South African students.

The Postgraduate Support Office (PGSO) helps current and prospective students to access funding for postgraduate studies and research by announcing calls for funding through the University website, social media platforms, faculties and information sessions. Funding opportunities are further communicated through the weekly UP research funding

bulletin managed by the Research Capacity Development Unit in the Department of Research and Innovation (DRI).

Calls for applications open at different times during the course of the year.

Tip: You may request a one-on-one funding information session from the PGSO at pgbursary@up.ac.za, but only once you have applied for admission.

IMPORTANT

Only students registering for full-time honours, master's and doctoral degrees are eligible to apply for funding. Students who register for postgraduate diplomas and certificates, or for the fourth year of any bachelor's degree, are not eligible for postgraduate awards.



ACCOMMODATION FOR POSTGRADUATE STUDENTS

UP has three dedicated postgraduate residences on the Hatfield Campus, with facilities ranging from bachelor's apartments to two-bedroom flats and communal living. The residences are **Jakaranda**, **Protea** and **Tuksdorp**.

Veterinary Sciences and Health Sciences postgraduate students are considered for postgraduate accommodation on their respective campuses. The **OP Village** residence for Faculty of Veterinary Sciences students is located on the Onderstepoort Campus (Pretoria), while Faculty of Health Sciences students can be accommodated in the **Hippokrates** residence on the Prinshof Campus (Pretoria).

The application for postgraduate accommodation will be processed and considered once the student has been provisionally admitted to a postgraduate study programme. Students who have applied for accommodation are expected to follow up on their applications as soon as they have been provisionally admitted to a postgraduate study programme at the University. To ensure a living and learning environment that supports your research and scholarship journey, you are advised to choose a UP residence.

Contact information

Email tuksres.postgrad@up.ac.za

Website www.up.ac.za/student-accommodation/article/1972780/hatfield-residences

Private accommodation

Website

www.up.ac.za/student-accommodation/article/256266/private-accredited-accommodation

Postgraduate students with disabilities or special needs

If you have a disability that requires a specific living environment, please indicate this when applying for accommodation. The UP Disability Unit and the Department of Residence Affairs and Accommodation will work together to find something that suits you.

Safety and security

Our campuses are conveniently located along major public transport hubs. Besides the Gautrain and Gautrain buses, municipal or private buses, taxis or hired cabs, the University also provides:

- Buses that shuttle our students between classes to different campuses and residences
- A park-and-ride facility from our Hillcrest Campus to alleviate on-campus parking pressure
- Students living in official residences are within walking distance from most campuses, but may use the service to travel between campuses when necessary.

Gautrain, an express commuter rail system in Gauteng, links Johannesburg, Pretoria, Ekurhuleni and OR Tambo International Airport. Its Hatfield and Pretoria stations are near the University of Pretoria's Hatfield and Prinshof Campuses respectively, with bus routes passing close to these campuses. The Hatfield station is within walking distance from the Hatfield Campus.

The Green Route Project is one of the University's numerous proactive initiatives to provide and maintain a secure work and study environment for students and staff. Provision is made for security officers to accompany students and personnel members on foot to and from their residences and vehicles, or any nearby places. More information on 24-hour services offered by the Department of Security Services can be found online.

THE POSTGRADUATE LIFE CYCLE

Go to www.up.ac.za/postgraduate-support



The life cycle points out to the various support programmes and services offered by Postgraduate Support Office, Department of Research and Innovation and other role-players at the University of Pretoria:

- Postgraduate enrolment
- Supervisions and memorandum and support (MOA)
- Academic milestones and support
- Administrative support for international students
- Financial support
- Examination
- Graduation



FINDING THE RIGHT SUPERVISOR

You have taken that bold first step to study further and an exciting journey has begun. A supervisor is of immense help during this journey and should be seen as your GPS to keep you on course.

Postgraduate students conduct their research projects under the guidance and mentorship of supervisors, who are academic researchers in specific fields of specialisation. Since this supervision is so important to your studies, the availability of suitable supervisors is one of the factors that determine whether or not you can be accepted for a particular postgraduate degree programme.

So, even before you start applying, please contact a potential supervisor to discuss your intended postgraduate studies. Get to know your supervisor, as well as his/her area of expertise, before deciding.

Should your potential supervisor decline your request, please do not take it personally as some supervisors may have reached the maximum number of students for supervision.

The availability of suitable supervisors is not the only criterion used for your admission. Other relevant factors that are considered include minimum entry qualifications and the maximum numbers that can be enrolled per year per academic programme.

Once enrolled, you will sign a Memorandum of Agreement (MoA) with your supervisor, which stipulates the expectations, roles and responsibilities of each person.



POSTGRADUATE SUPPORT AND DEVELOPMENT

Our postgraduate students are an integral part of the University community and your contribution helps make us a leading research-intensive university in Africa.

The PGSO will help you with information about study programmes, research and funding opportunities, and research support that will assist you in successfully completing your qualification.

The PGSO promotes postgraduate education and research productivity through the **FlyHigher@UP programme**, which will enable you to gain invaluable research skills and workplace readiness. To ensure effective research training, this programme enables collaboration between the PGSO and the academic staff across the University's nine faculties, its business school and library services. The programme was introduced to improve the throughput and success of postgraduate students and help them complete their studies in the minimum time. Academic support comprises three main stages: proposal development and writing; data collection and analysis; and thesis, dissertation or journal article writing. The resources we offer allow students to participate in the University's major research breakthroughs, which in turn lead to academic recognition and further career development. This has demonstrated the quality of our research and as a result has earned UP a place among the top research-intensive universities in Africa and the world.



HOW TO IDENTIFY THE RIGHT SUPERVISOR

Contact the head of department in your faculty to enquire about the availability of supervisors, OR visit the relevant faculty website and view the research profiles of the academic researchers.

Detailed information on the different faculties and contact details of relevant personnel are listed below.



RESEARCH ETHICS AND INTEGRITY

Research conducted at UP by students or staff members must be ethical. It is therefore a requirement for UP researchers, students or staff members to obtain ethical clearance for their proposed research project before embarking on the project. Ethics committees at UP review research proposals and ensure that the proposed research does not violate the main ethical principles, which are (i) autonomy, (ii) non-maleficence, (iii) beneficence and (iv) justice.

LIBRARY SERVICES

A WORLD OF KNOWLEDGE

The [Department of Library Services](#) has 11 faculty libraries spread out over all the UP's various campuses. In total, these libraries have a collection of 700 000 printed books, 400 000 licenced online books, and 182 600 subscription-based journal titles. Scopus, Web of Science, ScienceDirect, EbscoHost and Proquest are just a few of the 76 databases (among the largest in the world) to which the library currently subscribes.



SERVICES

Each department at the University has a dedicated [information specialist](#) (trained librarian) who supports the department's research endeavours through the provision of information resources.

These information specialists form the link between the library and the researchers. Their services include the following aspects related to the research cycle:

- Assisting with literature searches
- Sourcing relevant information
- Referencing
- Information literacy training
- Research data management
- Bibliometric analysis for funding and NRF applications
- Identifying appropriate accredited journals in which to publish
- Providing information on predatory journals
- Research visibility (eg ORCID, Google Scholar profile)
- Anti-plagiarism and copyright clearance

[Information specialists](#) can be reached via email or [online appointments](#).

There are [subject guides](#) for each department, as well as guides on [copyright](#), [EndNote](#), [ORCID](#), [predatory publications](#), a [research guide](#), [researcher profiles and identifiers](#), and Open Education Resources for each faculty.

Other library services include:

- [Interlending services](#) for resources that are not available at the University of Pretoria
- [Digitisation services](#) of on-demand paper documents, photographs, maps, slides and negatives, and 3D objects available at the University of Pretoria
- A [MakerSpace](#): A creative laboratory with 3D printers, 3D scanning, electronics and 3D design software accessible to all University of Pretoria staff and students
- An [institutional repository](#) for archiving theses, dissertations, research articles and datasets for publication
- A [research data repository](#) (Figshare), which is an international cloud-based research data repository that facilitates data publishing, sharing and collaboration of academic research
- Postgraduate and researcher library spaces. The University has [research commons](#) in the Merensky 2 Library on the Hatfield Campus, the Groenkloof Library and the Jotello F Soga library at Onderstepoort, and on the Prinshof and Future Africa Campuses. These are dedicated spaces where researchers can work on their research articles, theses and dissertations free from noise and distraction, on computers that are all updated with statistical analysis tools such as SPSS, Atlas.ti and SAS.

Training

Currently basic [library training](#) and [postgraduate and researcher training](#) are available online, but you should also make enquiries about [physical workshops](#) to attend.

The library also created a [ClickUP course](#) that includes both basic and advanced postgraduate training. These courses are self-paced and can be included in lecturer ClickUP pages.

UP HAS:



11 faculty libraries;



700 000 printed books;



400 000 licenced online books;



182 600 Subscription-based journal titles; and



76 databases (among the largest in the world).



IMPORTANT

Having all this information at your fingertips comes with the responsibility to use it in a principled manner. UP has policies around ethical clearance and plagiarism and you need to acquaint yourself with these.



FACULTIES AT UP

At UP you can choose an area for further study from our nine faculties and one business school. The faculties offer a total of 1 175 academic programmes, of which 145 are undergraduate and 1 030 are postgraduate programmes. This large number of postgraduate programmes contributes significantly to the research outputs of the University, which are among the highest in the country.

A high-level overview of all the faculties, as well as their niche offerings and significant achievements follows below.



FACULTY OF ECONOMIC AND MANAGEMENT SCIENCES

Dean: Prof Margaret Chitiga-Mabugu

Acting Deputy Dean, Teaching and Learning:

Prof Theuns Steyn

Deputy Dean, Research and Postgraduate Studies:

Prof Karin Barac

Direct postgraduate enquiries to:

Ms Alta Erasmus (Postgraduate Coordinator)

alta.erasmus@up.ac.za

Academic departments

- Accounting
- Auditing
- Business Management
- Economics
- Financial Management
- Human Resource Management
- Marketing Management
- School of Public Management and Administration
- Taxation

Centres, Institutes, Research Chairs

- African Tax Institute (ATI)
- Albert Luthuli Leadership Institute
- Unit for Forensic Accounting
- South African Reserve Bank Chair in Monetary Economics
- South African Research Chair in Tax Policy and Governance



Niche areas

- The Department of Auditing is one of only 12 tertiary institutions in the world to be accredited at Centre of Excellence level in the Institute of Internal Auditors Global Internal Audit Education Partnership (IAEP) programme. Students with postgraduate qualifications in Internal Auditing are sought-after in the market.
- The Albert Luthuli Leadership Institute (also hosts the SA SDG Hub) offers a Master's in Development Practice, Africa's first multidisciplinary postgraduate qualification that focuses on the implementation of the SDGs.
- The Department of Business Management, in collaboration with UP's Faculty of Law, offers a first-of-its-kind master's degree in insolvency and business rescue.
- The Faculty is a member of AACSB International – the Association to Advance Collegiate Schools of Business.
- The Mamelodi Business Hub is an entrepreneurship enabler and part of the Department of Business Management's quality-driven community engagement initiatives that endeavour to enhance social impact through interdisciplinary-oriented programmes in partnership with UNICEF South Africa and PricewaterhouseCoopers (PwC).
- The Faculty hosts the UP Centre for the Future of Work, a hub for research and insights pertaining to the future of work within an African context.

INTERNATIONAL RANKINGS

The 2022 Quacquarelli Symonds (QS) World University Rankings

by Subject place UP in the

101-150 band for

Accounting and Finance
(number 1 in South Africa) and in the

201-250 band for

Economics and Econometrics
(joint first in SA).



FACULTY OF EDUCATION

Dean: Prof Chika Sehoole

Deputy Dean: Prof Salome Human-Vogel

Direct postgraduate enquiries to:

- Simon Jiane (simon.jiane@up.ac.za)
- Pulane Tau (pulane.tau@up.ac.za)
- Baatseba Mphahlele (baatseba.mphahlele@up.ac.za)

Academic departments

- Humanities Education
- Science, Mathematics and Technology Education
- Educational Management and Policy Studies
- Educational Psychology
- Early Childhood Education



Centres, institutes and research chairs

- Lesson Study
- Unit for Distance Education
- Centre for Evaluation and Assessment
- The Centre for the Study of Resilience
- Interuniversity Centre for Education Law and Education Policy
- Living Lab for Innovative Teaching at the University of Pretoria (LLITUP)
- Centre for Diversity and Social Cohesion

Niche areas

Through strategic collaborations, the Faculty contributes to the renewal of skills in the education profession. School leadership, leadership in the Technical and Vocational Education and Training (TVET) sector, training in virtual impairment and information and communications technology (ICT) in education are some of the 21st-century skills in which we are developing expertise in response to the needs of the education sector.



FACULTY OF HEALTH SCIENCES

Dean: Prof Tiaan de Jager

Deputy Dean, Teaching and Learning: Prof Vanessa Steenkamp

Deputy Dean, Research and Postgraduate Studies:

Prof Tivani Mashamba-Thompson

Deputy Dean, Health Stakeholder Relations:

Prof Flavia Senkubye

Schools

- School of Dentistry
- School of Health Care Science
- School of Health Systems and Public Health
- School of Medicine

Academic departments

There are 43 specialised departments.

Institutes

- Institute for Cellular and Molecular Medicine (ICMM)
- Institute for Sustainable Malaria Control (UP ISMC), also recognised as an SAMRC Malaria Research Collaborating Centre
- Sport, Exercise Medicine and Lifestyle Institute (SEMLI)
- Pan African Cancer Research Institute (PACRI)

Centres

- Centre for Ethics and Philosophy of Health Sciences (CEPHS)
- Centre for Neuroendocrinology (CNE)
- Forensic Anthropology Research Centre (FARC)
- Centre for Viral Zoonoses (UP CVN)
- UP Research Centre for Maternal, Fetal, Newborn and Child Health Care (MFNCHC RC)
- Maternal and Infant Health Care Strategies Unit
- Diabetes Research Centre (DiabetesCentre@UP)
- Tuberculosis Research Centre (TRC)

Units

- Community-orientated Primary Care (UP COPC) Research Unit
- Environmental Chemical Pollution and Health Research Unit

Research chairs

- SARCHI Chair in Sustainable Malaria Control
- AMPATH Chair in Human Genetics
- Co-chair with NAS to the DSTNRF-SAMRC SARCHI Research Chair in Biostatistics
- NRF-DSI SARCHI in Infectious Diseases of Animals (Zoonoses) – also holds the Future Africa Research Chair on People, Health and Place

INTERNATIONAL RANKINGS

Ranks in the **top 1% internationally** in clinical medicine, immunology and microbiology.

Ranks in the **top 200 globally** in the Times Higher Education SDG Rankings for SDG 3





FACULTY OF ENGINEERING, BUILT ENVIRONMENT AND INFORMATION TECHNOLOGY

Acting Dean: Prof Jan Eloff

Deputy Dean, Research and Postgraduate Studies:

Prof Johan Joubert

Deputy Dean, Teaching and Learning: Prof Alta van der Merwe

Direct postgraduate enquiries to:

- Mrs Laurrine Mgiba (laurrine.mgiba@up.ac.za)
- Ms Hellen Molapo (hellen.molapo@up.ac.za)
- Mr Kenneth Nkanyana (kenneth.nkanyana@up.ac.za)

Academic departments

- School of Engineering
- School for the Built Environment
- School of Information Technology
- Graduate School of Technology Management

Industry chairs

- Absa Chair in Data Science
- AEL Mining Services Chair in Innovative Rock-breaking Technology
- Anglo-American Chair in Pyrometallurgy
- Exxaro Chair in Energy Efficiency
- Exxaro Chair in XR Technology
- Harmony Chair in Rock Engineering and Numerical Modelling
- Rand Water Chair in Business Management
- Rand Water Chair in Electrical Engineering
- Rand Water Chair in Electrical and Water Utilisation
- SARChI Chair in Artificial Intelligence
- Sedibeng Water Chair in Water Utilisation Engineering
- Sentech Chair in Broadband Wireless Multimedia Communication
- South African Council of Shopping Centres Chair
- MultiChoice Chair of Machine Learning
- RS Chair in Cybersecurity
- ESKOM Chair in Plant Asset Management
- Murray and Roberts Chair in Industry 4.0
- Chair in Nuclear Safety and Security

Centres and institutes

- African Centre of Excellence in Information Ethics
- Carl and Emily Fuchs Institute for Micro-electronics
- Centre for Asset Integrity Management
- Centre for Connected Intelligence
- Centre for Electromagnetism
- Centre for New Energy Systems
- Centre for Nuclear Safety and Security
- Centre for Pyrometallurgy
- Centre for Transport Development
- Industrial Metals and Minerals Research Institute (IMMRI)
- SAIW Centre for Welding Excellence
- Institute for Big Data and Data Science
- Institute for Technological Innovation
- Mining Resilience Research Centre

Niche areas

Since 2017, the focus in the Faculty has been to establish cross-cutting research focus areas, which are mostly interdisciplinary in nature. These research focus areas are based on existing strengths and expertise that can exploit pockets of excellence to embrace the 4IR. These focus areas cover the following themes:

- Water and Environmental Engineering
- Minerals and Materials Beneficiation
- 4IR
- Smart Cities and Transportation
- Big Data Science, ICT and Technology Innovation Management
- Energy

**RANKED NO 1
IN SOUTH AFRICA**

**Mechanical, Aeronautical and
Manufacturing**

Engineering

Electrical and Electronic Engineering



FACULTY OF HUMANITIES

Dean: Prof Vasu Reddy (Dean)

Deputy Dean, Teaching and Learning: Prof Sandy Africa

Deputy Dean, Postgraduate Affairs and Ethics:

Prof Innocent Pikirayi

Direct postgraduate enquiries to:

- Ms Nombulelo Maphanga (nombulelo.maphanga@up.ac.za)
- Ms Jean Pretorius (jean.pretorius@up.ac.za)
- Ms Friedah Moasa (friedah.moasa@up.ac.za)

Academic departments

- African Languages
- Afrikaans
- Ancient and Modern Languages and Cultures
- Anthropology and Archaeology
- English
- Historical and Heritage Studies
- Philosophy
- Political Sciences
- Psychology
- Sociology
- Social Work and Criminology
- Speech-Language Pathology and Audiology



School of Arts

- Drama
- Music
- Fine Arts
- Visual Studies



Centres and Units

- Centre for Augmentative and Alternative Communication (CAAC)
- Centre for Mediation in Africa (CMA)
- Centre for Sexuality, AIDS and Gender
- Unit for Academic Literacy
- Unit for Creative Writing
- Itsoseng Clinic
- Emerging Scholars Initiative

Niche areas

Africa's first and only master's programme in
Tangible and Heritage Conservation

Africa's only
Specialist Neuro-Otologic Test Centre

The Department of Political Sciences participated in the world's first **Global Classroom**.



FACULTY OF LAW

Dean: Prof Elsabe Schoeman

Deputy Dean: Prof Charles Maimela

Direct postgraduate enquiries to:

Lizette du Plessis (duplessis.lizette@up.ac.za)

Academic departments

Private Law

- Estate Law (Coursework)
- Intellectual Property Law (Coursework)
- Law of Contract (Coursework)
- Private Law (Coursework)

Public Law

- Constitutional and Administrative Law (Coursework)
- Environmental Law (Coursework)
- Extractive Industry Law (Coursework)
- International Air, Space and Telecommunications Law (Coursework)
- International Humanitarian Law and Human Rights in Military Operations (Coursework)
- International Law (Coursework)
- Socio-economic Rights (Coursework)

Procedural Law

- Alternative Dispute Resolution (Coursework)
- Procedural Law (Coursework)

Jurisprudence

- Law and Political Justice (Coursework)

Mercantile Law

- Banking Law (Coursework)
- Consumer Protection Law (Coursework)
- Corporate Law (Coursework)
- Insolvency Law (Coursework)
- Insurance Law and Governance (Coursework)
- Labour Law (Coursework)
- Mercantile Law (Coursework)
- Tax Law (Coursework)

Centres

The Centre for Human Rights

- Disability Rights (Coursework)
- Human Rights and Democratisation in Africa (Coursework)
- International Trade and Investment Law in Africa (Coursework)
- Multi-disciplinary Human Rights (Coursework)
- Sexual and Reproductive Rights in Africa (Coursework)

LLD / PHD (Research)

LLM / MPhil (Research)





FACULTY OF NATURAL AND AGRICULTURAL SCIENCES

Dean: Prof Barend Erasmus

Deputy Dean, Research and Postgraduate Education:

Prof Vinesh Maharaj

Deputy Dean, Teaching and Learning: Prof Paulette Bloomer

Direct postgraduate enquiries to:

cathy.barnard@up.ac.za

Academic departments

- Actuarial Science
- Agricultural Economics, Extension and Rural Development
- Animal Science
- Biochemistry, Genetics and Microbiology
- Chemistry
- Consumer and Food Sciences
- Geography, Geoinformatics and Meteorology
- Geology
- Mathematics and Applied Mathematics
- Physics
- Plant and Soil Sciences
- Statistics
- Zoology and Entomology

Centres of excellence

- DSI/NRF Centre of Excellence in Food Security
- DSI/NRF Centre of Excellence in Tree Health Biotechnology

Centres

- African Centre for Gene Technologies (ACGT with CSIR and Wits)
- Centre for Bioinformatics and Computational Biology
- Centre for Environmental Studies (CFES)
- Centre for Microbial Ecology and Genomics (CMEG)
- Sci-Enza Science Centre
- UP Natural Hazard Centre Africa

Institute

The Mammal Research Institute (MRI)

Units

The Manie van der Schijff Botanical Garden

SARChI chairs

- SARChI Chair in Non-Parametric, Robust Statistical Inference and Statistical Process Control
- SARChI Chair in Mammal Behavioural Ecology and Physiology
- SARChI Chair in Mathematics Models and Methods in Bioengineering and Biosciences
- SARChI Chair in Sustainable Malaria Control
- SARChI Chair in Fungal Genomics
- SARChI Chair in Plant Health Products from Indigenous Knowledge Systems
- SARChI Chair in Carbon Technology and Materials
- National Zoological Gardens SARChI Research Chair: Conservation Physiology
- SARChI Chair in Biostatistics
- SARChI Chair in Clean and Green Energy

Industry Chairs

- Rand Water Chair (Chemistry)
- Sappi and Mondi Chair in Forest Genomics and Biotechnology
- SAFCOL Forest Chair
- ABSA Chair in Actuarial Sciences

Niche areas

AGRICULTURE:

Wide-ranging expertise in crop breeding, pre- and post-harvest applications, crop pests and pathogens, animal breeding, animal welfare, agricultural economics and extension, food production, consumer adoption, sensory evaluation, African crops, food systems and food security.

BIG DATA AND DATA SCIENCE:

Bioinformatics and computational biology, mathematical modelling in bioengineering and biosciences

ENVIRONMENTAL SCIENCES:

Hazards modelling, environmental modelling, sustainable environmental management and biodiversity conservation

INFECTIOUS DISEASES:

Human (tuberculosis, HIV/AIDS, malaria) and veterinary diseases (ticks and tick-borne diseases, rabies, helminths, African horse sickness, bluetongue disease, etc)

PHYSICAL SCIENCES:

Radio astronomy, biophysics, green chemistry, drug discovery, separation science, renewable energy

TRADITIONAL MEDICINES AND NATURAL PRODUCTS:

Bioprospecting, medicinal plant science

PHYSICAL SCIENCES:

Radio astronomy, biophysics, green chemistry, synthetic chemistry drug discovery, separation science, renewable energy





FACULTY OF THEOLOGY AND RELIGION

Dean: Prof Rantoa Letšosa

Deputy Dean, Teaching and Learning: Prof Jaco Beyers

Deputy Dean, Research and Postgraduate Studies:

Prof Dirk Human

Direct postgraduate enquiries to:

Cathy Sandis (cathy.sandis@up.ac.za) or

Doris Mokgokolo (doris.mokgokolo@up.ac.za)

Academic departments

- Systematic and Historical Theology
- New Testament and Related Literature
- Old Testament and Hebrew Scriptures
- Practical Theology and Mission Studies
- Religion Studies

Centres, institutes and research chairs

The Centre for Faith and Community

Niche areas

- Religion and Sustainable Development
- Inclusive Communities
- Religion and Science
- Economy, Ecology and Theology

Postgraduate programmes available on the online yearbook:

<https://www.up.ac.za/yearbooks/2022/faculties/view/THEO/Faculty%20of%20Theology%20and%20Religion>

Postgraduate guideline for students:

<https://www.up.ac.za/theology-and-religion-postgraduate-guide>





FACULTY OF VETERINARY SCIENCE

Dean: Prof Vinny Naidoo

Deputy Dean, Research and Postgraduate studies:

Prof Marinda Oosthuizen

Deputy Dean, Teaching and Learning: Prof Dietmar Holm

Direct postgraduate enquiries to:

Leonie Johnson (leonie.johnson@up.ac.za)

Academic departments

- Anatomy and Physiology
- Companion Animal Clinical Studies
- Paraclinical Sciences
- Production Animal Studies
- Veterinary Tropical Diseases

Centres, institutes and research Chairs

- SARChI Research Chair in Poultry Health and Production
- Afrivet Chair in Primary Animal Healthcare
- Equine Research Centre (ERC)
- Centre for Veterinary Wildlife Research
- UP-NRF Community of Practice in Sanitary and Phytosanitary Risk Assessment (COP)
- Onderstepoort Veterinary Academic Hospital (OVAH)

New initiatives

- African Centre for Biosecurity and Disease Risk Assessment
- Aquatic Health Unit
- Oncology Unit

Niche areas

- Research into high-impact infectious diseases
- One Health and zoonotic diseases
- Wildlife research projects, from disease epidemiology to advanced wildlife immobilisation
- Clinical diagnostics and advanced patient care
- Ethnoveterinary medicine, toxicology and pharmacology
- Diagnostic assay development
- Vaccine development

HIGHLIGHTS IN 2022

1. The Faculty conferred degrees on SA's first cohort of veterinary nursing graduates.
2. Prof Koos Coetzer, former HOD: Veterinary Tropical Diseases and a former Deputy Dean of Research in the Faculty, was awarded an honorary doctorate (Doctor of Veterinary Science (honoris causa) by the University of Pretoria.
3. A total of 19 PhD candidates were awarded their doctoral degrees at the UP autumn graduation ceremony and a total of 46 postgraduate qualifications were conferred.
4. Faculty alumnus Dr Gideon Brückner became only the second South African to receive a gold medal from the World Organisation for Animal Health (OIE) for outstanding international veterinary service.
5. Three Faculty alumni reunited in the USA to perform a specialised tusk extraction on a six-ton elephant.
6. The National Research Foundation (NRF) awarded Professor Johan Schoeman a B1 rating for the period 2022–2027, which was the highest rating ever achieved by a veterinary clinician-scientist in the Faculty of Veterinary Science.
7. Faculty veterinarians saved the life of Nero, a Yorkshire terrier, after he had swallowed a bone that became stuck at the base of his oesophagus just above his heart.
8. An equine specialist in the Faculty created a unique offering for horse owners: an equine cardiology consulting service to detect early heart-health issues in horses.
9. As part of a vaccination drive against rabies, staff and student volunteers from the Faculty of Veterinary Science provided free care and advice for pet owners from Bronkhorstspuit.
10. A ground breaking, collaborative study undertaken by researchers from the Faculty has revealed that mammals' hearts operate with declining energy efficiency as body size increases.
11. Expert articles and opinion pieces on lumpy skin disease, rabies and FMD were published by Faculty members.



GORDON INSTITUTE OF BUSINESS SCIENCE

Dean: Prof Morris Mthombeni

Deputy Dean: Prof Louise Whitaker

Direct postgraduate enquiries to:

admissions@gibs.co.za

Centres, institutes and research chairs

- Centre for African Management and Markets (CAMM)
- Centre for Business Ethics (CfBE)
- Entrepreneurship Development Academy (EDA)
- Centre for Leadership and Dialogue (CL&D)
- Media Leadership Think Tank
- Personal and Applied Learning (PAL)
- Responsible Finance Initiative (RFI)
- GIBS Principles for Responsible Management Education (PRME)



INNOVATION PLATFORMS

THIS IS HOW WE ARE SHAPING THE FUTURE THROUGH KNOWLEDGE

As ideas and technologies evolve at an increasingly rapid rate, Africa needs a new generation of original thinkers with international perspectives, yet with a vision and voice that are rooted here—in the continent's leading economy.

We are producing this new knowledge through transdisciplinary approaches and exciting new platforms—spaces that enable collaboration and partnerships between academia, businesses, government, policymakers and civil society to co-create new knowledge that translates into solutions.

These collaborative spaces enable joint research, staff and student mobility, and the training of a new generation of researchers who are able to network, raise funds and communicate knowledge to a diverse range of stakeholders to ensure that Africa achieves sustainable and inclusive development.

Wouldn't you like to be part of this future?

Our approach is that all our innovations should be about transforming lives and communities. The main driver lies in the fusion of knowledge, not only for economic advancement, but also for social justice, which is equally important.



A SUSTAINABLE FUTURE AT THE FUTURE AFRICA INSTITUTE

This purpose-built transdisciplinary research institute and green campus is dedicated to creating the knowledge that addresses the importance of sustainable futures for Africa in a world marked by rapid political, economic, cultural, social and technological changes.

These changes include the Fourth Industrial Revolution that is transforming the way institutions, the economy, the world of work and society function. At Future Africa, African scientists and scholars work in partnership with each other, as key stakeholders in society, and their global collaborators to co-create knowledge that addresses the many grand challenges the continent faces.

Focus areas:

- Connected Africa
- From African Soil
- Transforming the World
- Health, People and Place
- Equity and Global Africa

FUTURE EDUCATION: SMART FUTURE ENGINEERING 4.0 RESEARCH HUB

UP's Engineering 4.0 complex is a purpose-built transdisciplinary facility focused on research, teaching, training and testing for transport and mobility in all their forms. Working collaboratively and in partnership with government agencies and players in the private sector, Engineering 4.0 leverages the opportunities that come with artificial intelligence, big data and data science, and cloud computing.

Focus areas:

- Smart cities
- Smart transport
- Smart agriculture



A CREATIVE FUTURE WITH THE JAVETT-UP ART CENTRE

Arts and creativity drive discovery and challenge us to envisage a better world. The Javett-UP Art Centre is a platform and space to explore what makes us human, what inspires us to think, feel, act, dream, innovate and advance. This Centre focuses on the importance of Africa and its art in the world to promote a global understanding of the many cultures and people of the continent.

Supporting UP's academic programmes and encouraging the development of creative, flexible, adaptable minds with the emotional and intellectual intelligence to thrive, the Javett-UP Art Centre is integral to promoting sought-after Fourth Industrial Revolution subjects, which the University refers to as STEAM (Science, Technology, Engineering, Arts and Mathematics).

Focus areas

A unique (and first in Africa) transdisciplinary master's degree in Tangible Heritage Conservation, taught by academics from the humanities and sciences, focuses on restoring artworks and preserving heritage.

A SECURE FUTURE WITH THE INNOVATION AFRICA @UP INITIATIVE

Focusing on agriculture, the Innovation Africa@UP initiative pursues collaborations and partnerships with local and global scholars in the broad fields of agriculture and food security. It seeks partnerships with government agencies, including the Agricultural Research Council, the agricultural sector and related industries. The aim is to co-create knowledge, innovative technologies, practices and solutions that are climate resilient, environmentally friendly and easy to implement, and will promote sustainability and precision agriculture.

Research Focus Areas

Agriculture-related activities that support world-class capacity development and research programmes in fields such as food security, smart agriculture, nutrition, plant health and biosecurity.



POTENTIAL OPPORTUNITIES BEYOND POSTGRADUATE STUDIES AT UP

Students who are finalising their postgraduate studies should start preparing for life after university. This is important as some application processes may span from one year to the next.

Opportunities beyond postgraduate studies vary depending on your field of study and interests, and a PhD qualification is critical if you are interested in pursuing an academic career. If you have completed a PhD degree, a postdoctoral fellowship is a good stepping stone for a career in the academic field. Potential opportunities also exist in the private and public sectors. If

possible, it is important to use your entrepreneurial skills to create employment for yourself and others.

Information on UP Postdoctoral studies can be found at www.up.ac.za/postdoctoral-research/article/2810595/postdoctoral-information



ABOUT PRETORIA

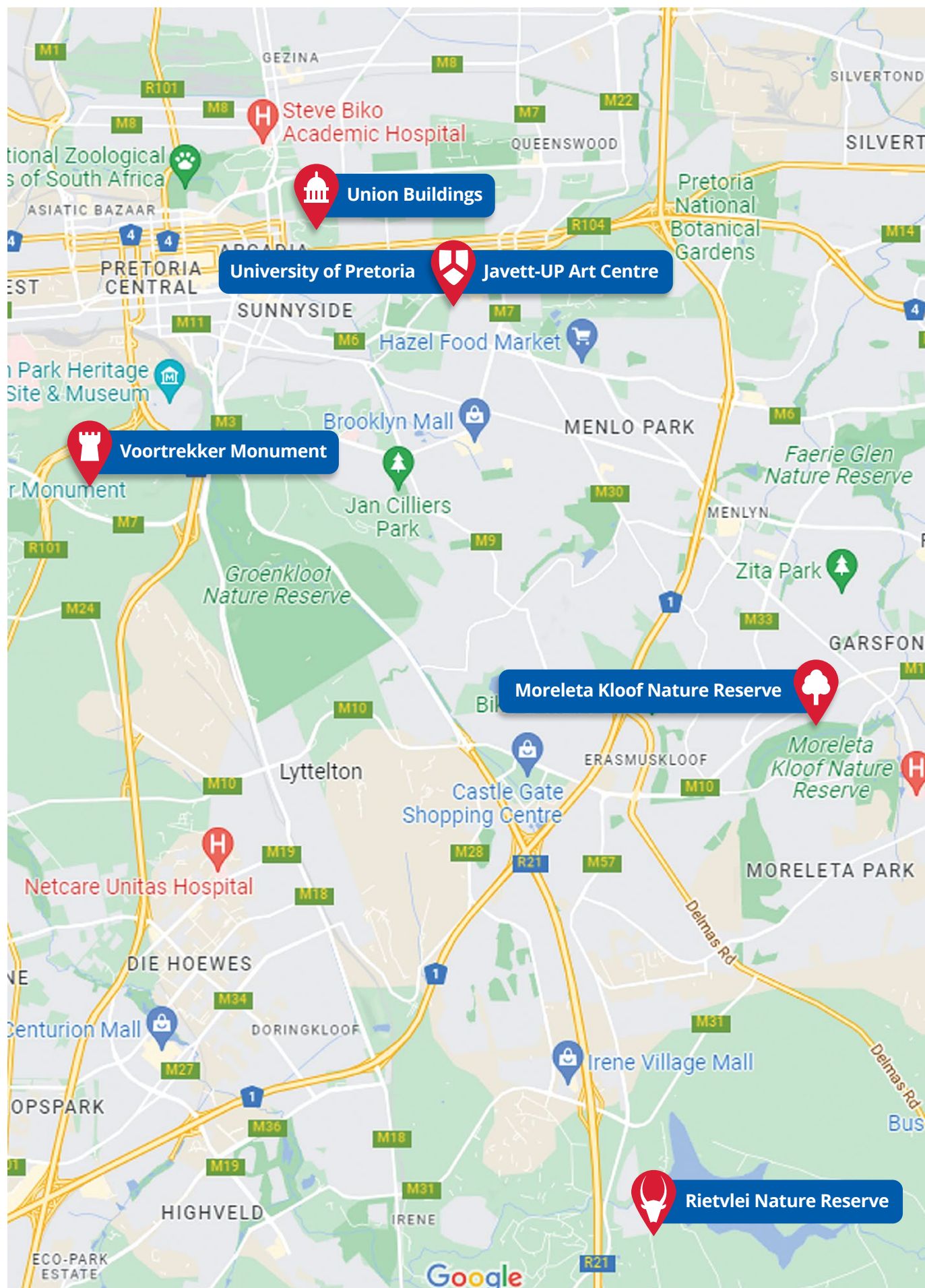
Pretoria, one of South Africa's three capital cities, serves as the seat of the executive branch of government and as host to all foreign embassies in the country. The city straddles the Apies River and extends into the foothills of the Magaliesberg Mountains, and allows residents an easy escape into the surrounding natural environment.

Things to do in and around Pretoria, sometimes free of charge and always budget friendly:

WRAP UP IN A PURPLE CLOAK

From late September to mid-November, approximately on 70 000 Jacaranda trees bloom all over Pretoria and drape the city in a purple cloak. UP students believe that if a Jacaranda flower falls on your head during exam time, you will pass all your subjects! The more realistic ones believe that if you haven't started studying for year-end exams by the time the Jacarandas bloom, you have left it too late.





TAKE A HIKE

The Moreleta Kloof Nature Reserve spans 100 hectares in the foothills of Moreleta Kloof near the city centre, with a variety of hiking trails. In the 19th century, the reserve was a dairy farm, and one of the original buildings has been converted to a restaurant where visitors can dine on a beautiful deck, often with a parade of animals in view.

Other lovely green spaces close to the city centre include:

- Faerie Glen Nature Reserve, part of the Moreleta Spruit Nature Trail
- Groenkloof Nature Reserve, with hiking, horseback riding and 4WD trails
- Austin Roberts Bird Sanctuary, named after the South African ornithologist who wrote a popular handbook on the birds of South Africa



GO GAME VIEWING

The Rietvlei Nature Reserve offers a peaceful escape into nature and great game viewing less than a 20-minute drive from the city centre. You will see Highveld game such as eland, red hartebeest, buffaloes, blesbok, waterbuck, zebras, black wildebeest, hippos and even cheetahs. Birder-watchers should keep a lookout for the comical secretary birds, blue cranes (South Africa's national bird) and a breeding pair of fish eagles.

VISIT A NATIONAL HERITAGE SITE

The Voortrekker Monument is one of the country's most-visited historical monuments. It was built in 1949 to commemorate the Great Trek of 1838, when the Voortrekkers pushed northward into unknown territory. This 40 m-high square granite structure is a prominent landmark with steps leading up to the Hall of Heroes, where 27 marble reliefs depict the Great Trek.



IMMERSE YOURSELF IN AFRICAN ART

The Javett-UP Art Centre at the University of Pretoria hosts many public cultural programmes and houses three permanent collections. They are the Javett Foundation's collection of twentieth-century South African art, which contains a number of significant works, the AngloGold Ashanti Collection, and the Mapungubwe Gold, an archaeological collection that is historically and culturally important for South Africa, the southern African region and the world.

Frequently asked questions: <https://www.up.ac.za/faq>



University of Pretoria

Private Bag X20, Hatfield, 0028, South Africa

Tel +27 (0)12 420 3111

www.up.ac.za



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Make today matter

www.up.ac.za