

Message from the JuniorTukkie Project Manager

At *jT News* we've decided to adapt our usual magazine format and produce our first electronic version. For our new readers, *jT News* is one of the initiatives of the JuniorTukkie project at the University of Pretoria—or UP as we call ourselves.

In this issue we share with you inspiring stories of students from several of the nine faculties at UP.

I'd like to encourage all undergraduate applicants for the 2024 study year to read the article on the University of Pretoria's new Undergraduate Admissions Policy.

For those of you who are interested in studying towards a degree in engineering, the built environment or information technology, be sure to read the article on the EBIT Week event.

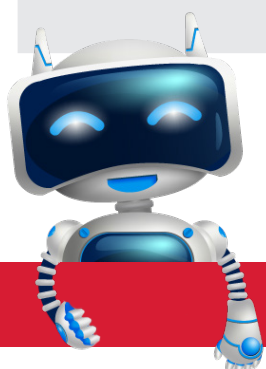
For all Grade 8 to 12 learners, don't miss the information about JuniorTukkie Online—an e-learning platform that provides significant benefits to learners from Grade 8 to 12, including online learning resources to help you to be better prepared for exams.

JuniorTukkie offers Grade 9 to 12 learners the opportunity to become a JuniorTukkie member, to download the JT App and join us on social media. This way, you'll be sure to receive important information on the University of Pretoria's undergraduate study programmes, admission requirements, career guidance, accommodation, exam preparation and assistance with your application to study at UP.

Start your university journey with JuniorTukkie from Grade 9—we'll be with you all the way to ensure you have a smooth transition from high school to university. And from your first year at UP, you'll have the opportunity to join the JuniorTukkie Student Ambassador Society (JTSAS) and later become a member of the JuniorTukkie Alumni.

Enjoy the *jT News*, we look forward to your feedback.

Dr Petrus Lombard
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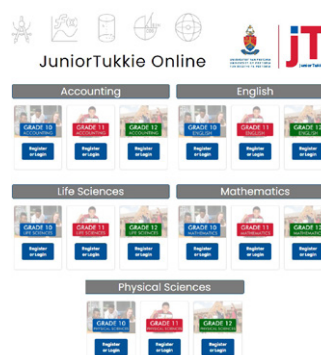


JuniorTukkie initiatives

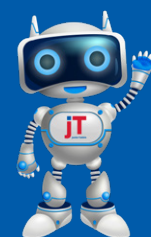
JuniorTukkie Online prepares you for university studies

JuniorTukkie Online provides opportunities with significant benefits to learners from Grade 8 to 12. This e-learning platform offers focused learning resources to help learners better understand their subject material to be better prepared for their examinations. [Click here](https://junior.tukkie.online) to explore the JuniorTukkie Online platform.

Visit junior.tukkie.online for more information.



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Apply at UP

University of Pretoria Undergraduate Admissions Policy (2024 study year)

The University of Pretoria's Admissions Policy outlines its undergraduate admissions process. We are committed to ensuring that all applications are treated fairly in accordance with the UP Admissions Policy.

Apply to study at UP in 2024

- Applications to study at UP in 2024 open on 1 April 2023 at www.up.ac.za/apply

Closing dates for applications to study at UP in 2024

- Faculty of Veterinary Science: **31 May 2023**
- All other faculties: **30 June 2023**

[Click here for more information](#) about the UP Undergraduate Admissions Policy (2024 study-year).





Faculty of Natural and Agricultural Sciences
Institute for Science for People's Health

BSc (Genetics), BSc (Human Genetics) and BSc (Biotechnology)



Make today matter

The Division of Genetics offers internationally recognised undergraduate and postgraduate degrees. Genetics is at the core of the biological, agricultural, veterinary and medical sciences and has become essential in fields as diverse as ecology and epidemiology, biodiversity conservation and sustainable agriculture.

Single- and double-major options are offered in both the BSc (Genetics) and BSc (Human Genetics) programmes. Students can therefore choose to either specialise in genetics as a single major, or combine their genetics subjects with a second major, such as biochemistry, microbiology, plant science or zoology in the BSc (Genetics) programme, or with human physiology in the BSc (Human Genetics) programme.

Who is the ideal candidate?

Effective science is increasingly becoming transdisciplinary and requires multi-faceted research teams and expertise.

Individuals looking to enrol in a programme such as Genetics should be inquisitive and creative thinkers with critical minds who exhibit inquiry-driven curiosity, display a passion for life science-related topics and have a fair understanding of mathematics.

What makes this programme unique?

At the undergraduate level, students are provided with a thorough background in the principles of genetics, as well as the application of these principles in fields as diverse as genetics, plant and animal biotechnology, diagnostics and life science research, human health, ageing and population, and behavioural and evolutionary studies.

Graduates acquire skills in analytical and critical thinking, as well as experience in problem solving and data handling, which equip them for success in both scientific and non-scientific careers.

Which campuses employ our graduates?

Genetics graduates are employed in a variety of settings such as the CSIR, NHLS, ARC, MRC, SANRAL and MSA. Some of the fields in which graduates have been employed are:

- zoology
- plant and animal breeding
- microbiology
- cell biology
- agriculture and wildlife
- medical and pharmaceutical
- computational biology and bioinformatics
- biomedical science communication
- corporate business and sales
- human and medical genetics

What career opportunities exist for graduates?

Employment opportunities are available in various fields and professions from biotechnology to agriculture.

Minimum admission requirements

Programme	English Home Language or First Additional Language	Mathematics	Physical Sciences	AFS
BSc (Genetics)	5	5	5	10
BSc (Human Genetics)	5	5	5	10
BSc (Biotechnology)	5	5	5	10

BSc (Genetics)
Students complete all five of the first year Genetics modules together with three modules chosen from either Biochemistry, Plant Science, Zoology or Microbiology.

BSc (Human Genetics)
First year Genetics modules can be taken together with a selection of modules from Human Physiology, Biochemistry, Pharmacology or Microbiology.

BSc (Biotechnology)
Genetics modules can be combined with an equivalent number of modules from Human Physiology.

BSc (Medical Sciences)
Genetics modules can be combined with an equivalent number of modules from Human Physiology.

BSc (Human Physiology, Genetics and Psychology)
Modules from all three fields are taken at first year level. Students must combine with a postgraduate module in Genetics to add to an additional first year Genetics module.

Postgraduate study options
Additional postgraduate study options available in other departments and programmes, depending on the student's choice of modules at first year level.

Search no more—find important information on UP undergraduate study programmes in one place!

Choosing a study programme can be a daunting task. A big part of that challenge is not knowing what to look for and where to find the information. We made it easier for you by creating a page on the JuniorTukkie website that contains infographics for each undergraduate study programme offered at the University of Pretoria. You will be able to explore all your study options in one place and find the best fit study programme that matches your study and career goals. The infographics contain admission requirements, curriculum information, career opportunities, the number of study years, and much more.

[Click here to read more...](#)

VCDMA students honoured at event

Recipients of the University of Pretoria's (UP) Vice-Chancellor's Distinguished Merit Awards (VCDMA) were recently honoured at the Welcome and Leadership Conference, which was held as an in-person event for the first time since the start of the COVID-19 pandemic.

The conference is an annual three-day event that celebrates the top Grade 12 academic achievers who chose to further their studies at UP. The award provides the recipients with funding for the duration of their undergraduate studies.

[Click here to read more...](#)



Vice-Chancellor's Distinguished Merit Award recipient Izak Rohan Crafford is pursuing a Master's in German and lecturing at UP—despite many obstacles



Izak Crafford in front of the Old Arts Building on the Hatfield Campus

Izak Crafford accepted the Vice-Chancellor's Distinguished Merit Award in 2019. Izak remembers the special messages delivered by Prof Tawana Kupe, Vice-Chancellor and Principal of UP and Mr Wallace Isaacs, Deputy Director: Enrolment and Student Administration during a Welcome Function for the VCDMA group of 2019.

Izak says: *'It was a consolation to know that I found myself in an institution striving for academic excellence in all fields in which it is active. Looking back, I can only confirm this from my own experience at UP and from having benefited from that mind-set a number of times. Added to that, I suspect that those words acted to strengthen my resolve to strive for the same, something I particularly keep in mind now that I am starting work on my dissertation and when I am standing at the front of one of the little rooms in the dungeons of the Humanities Building, unfolding for my students the rich tapestry of German literature and history.'*

[Click here](#) to read about Izak's reflection on university years—from first-year to postgraduate studies and lecturing at the University of Pretoria.

Faculty of Engineering, Built Environment and Information Technology

#1 in South Africa for electrical and electronic engineering, mechanical engineering, and metallurgical engineering

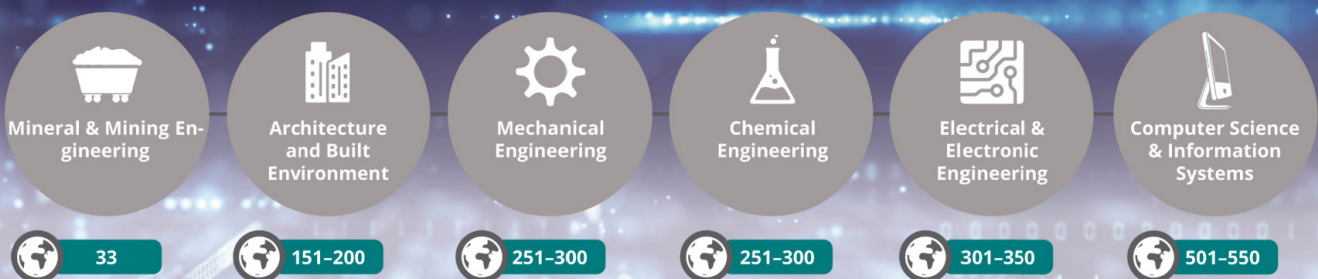
By Estie Powell

The heartbeat of the Faculty is innovation. EBIT researchers are rising to the challenge of ensuring that they can make a significant contribution to society at large by focusing their research on topics that lead to real-world change. EBIT is one of the few academic faculties in Africa to feature among the

top 550 in the world in FIVE subject areas in the 2022 QS World University Rankings by Subject in the field of engineering and technology, as well as in the subject area of Architecture and Built Environment, featuring in the top 200 in the world.

[Click here to read more...](#)

QS World University Rankings by Subject



UP Quantity Surveying student takes gold

By Elzane van Eck

The Association of South African Quantity Surveyors (ASAQS) recognises outstanding academic achievements of quantity surveying students nationally. The ASAQS gold medal award is presented annually to a student whose academic achievements are of outstanding merit and whose personal qualities promise to positively contribute to the profession. During the 2022 ASAQS Virtual Presidential Address & Awards Ceremony, the gold medal was awarded to McKayla McMaster who completed her BSc QS Honours degree at UP in 2021 with distinction. The ASAQS and Turner & Townsend Great Outcomes Award for outstanding academic achievement in the first two years of undergraduate study went to Tyla Mundie who completed her BSc QS degree with UP in 2022 with distinction.

[Click here to read more...](#)



Tyla Mundie

McKayla McMaster

EBIT WEEK

Applications now open !

9 JULY - 12 JULY 2023

[Application link in description](#)

Innovating our tomorrow
www.up.ac.za/ebitweek/



Make an informed decision—visit the Faculty of Engineering, Built Environment and IT on Campus with EBIT week (9-12 July 2023)

By Estie Powell

The EBIT Week is a four-day holiday programme presented by the Faculty of Engineering, Built Environment and Information Technology (EBIT) biannually for learners in Grades 10, 11 and 12. Prospective students are offered this hands-on opportunity to obtain information regarding all the disciplines offered in the School of Engineering, Built Environment and the School of Information Technology.

During this event, learners are introduced to the practical as well as the theoretical aspects in order to help them make sound career choices. As part of the programme, learners also obtain industry exposure on-site or off-campus.

[Click here for more information](#)

[Apply here > EBIT WEEK 2023 Application Form](#)

Faculty of Health Sciences



From 'tomato boy' to Dr Ngcobo, how this KZN man beat the odds

By Sindisiwe Kubeka

Dr Sanele Ngcobo has blazed the trail by being the first Clinical Associate in South Africa to earn a doctorate degree from the University of Pretoria. [Click here to read](#) what motivated Dr Ngcobo to become one of the individuals who would bring positive change to the country's health system.

Faculty of Humanities

Humanities Faculty welcomes its first-years

By Robyn Schnell

The Faculty of Humanities welcomed its first-year students on Tuesday, 14 February 2023. Students were given the opportunity to ask staff in the various departments questions at the Module Fair, which was held in the foyer of the Humanities Building. The information sessions on curriculum advice, student perspectives, timetables and essential skills in essay writing, gave students a good head-start for their academic year.

[Click here to read more...](#)



A member of House Humanities answers a student's question

Choosing UP—the best decision I ever made

by Hosi Khoza

'I made the decision to #ChooseUP at the young age of sixteen. This was the age that I had first set foot on this Campus as a young boy who sang in the University of Pretoria Youth Choir (UPYC). I was very fascinated by the surroundings of the Campus. From the beautiful architecture displayed by the glorious and historically rich Old Arts building to the beautifully crafted Aula and Musaion Auditorium, it was an exciting prospect.'

[Click here to read more...](#)



Students outside the Humanities Building during Orientation week

Faculty of Law



Faculty of Law hosts top achieving matriculants

By Wendy Ngcobo

The Office of the Dean hosted a lunch for the top six achieving matriculants joining the Faculty of Law (UP Law) for the 2023 academic year. Deputy Dean Professor Charles Maimela represented the Dean, Professor Elsabe Schoeman, who was unavailable to attend the event due to other obligations.

[Click here to read more...](#)

Photo from left to right: Karla Ferreira, Rachel Munnelly-Lubbe, Dasarya Kistnan, Vikayla Naidoo, Rayna Ramrabbie and Clement Cameron

Faculty of Natural and Agricultural Sciences



Top row (from left): Zane Hausler, Elandie du Preez, Amanda Schutte, Kasandra van Deventer. Middle row (from left): Marlize Grobbelaar, Elzette Versluis, Nicole Nel, Lizaan Janse van Rensburg.

Animal Science Feedlot Challenge offers practical teaching and research opportunities

By Martie Meyer

Ready, set, feed! The University of Pretoria (UP)'s Department of Animal Science has established an innovative, practical approach to Animal Science teaching through a practical beef feedlot challenge. The 2022 winners were an all-female group, the MOOdonnas. The Feedlot Manager of the Year was also the team leader of the MOOdonnas, Marlize Grobbelaar.

"It is such an unbelievable honour winning this feedlot challenge as an all-female team. I am so proud of the

MOOdonnas; each team member gave their absolute best during this challenge. We also become close friends, for we have survived and strived through tough and good days. As a team, we decided that we were going to keep our heads down, work hard and focus on the final goal - to produce healthy, happy, good-growing bulls, and we did! I will pick this team again and again for any challenge because these are women to watch out for in this industry," Marlize explained.

[Click here to read more...](#)

Science circus at Sci-Enza mesmerises all

By Martie Meyer

Can you really launch marshmallows out of a vacuum cleaner, make rockets from everyday household items, or launch teddy bears using liquid nitrogen?

The curiosity drew close to 200 people to Sci-Enza Science Centre in the Faculty of Natural and Agricultural Sciences late in 2022 to see Dr Graham Walker's Science Circus live! Dr Graham Walker is from the Australian National University, working specifically at the university's Centre for the Public Awareness of Science.

[Click here to read more...](#)



Dr Graham Walker in action



Passionate young entrepreneur with a heart for babies excels in competition

By Martie Meyer

A third-year BConsumer Science Clothing Retail Management student in the Department of Consumer and Food Sciences, Zellemari van Niekerk, recently ended up as one of the five finalists in a national entrepreneur competition with her baby clothing range, Foxi Original (FO). She also does this to pay for her studies.

Zellemari admits she was excited about making it so far in the Afriforum Entrepreneur competition. "It showed that my passion and hard work were being recognised. However, being around

finalists double my age with businesses over ten years old, I had to take a step back and look at how far I've come. For me, it's always how I can improve and do better. I have learned a lot from everyone and made wonderful friends and connections. Although it was one of the most stressful times in my career, it made me stronger as a person; and proud. I am proud to have brought up a business from the ground whilst studying."

[Click here to read more...](#)

Micke wins 'Visualize your Thesis' competition

By Martie Meyer

Micke Reynders, an MSc student in Chemistry, won the UP 'Visualize your Thesis' competition for the best one-minute audio-video presentation in 2022. As a result of her win, she represented South Africa with Letacia Senake from UJ online at the international Visualize Your Thesis Competition (VYT) held annually at the eResearch Australasia Conference, organised by the University of Melbourne.

This competition formed part of the Department of Research and Innovation's postgraduate research day, where students shared their research on driving sustainable solutions for global change.

[Click here to read more...](#)



Prof Tawana Kupe (UP Vice-Chancellor and Principal) congratulates Micke Reynders on winning the institutional VYT competition.



Ngilonde Mngomezulu

Making the Big Move to the Big City

By Ngilonde Mngomezulu and Dana Mahan

Starting your career as a university student can be a daunting task indeed, given all the adjustments which come with leaving home and high school, family and friends behind. When that new beginning includes a transition from life in a more rural environment to life in a more urban environment, it can all seem so overwhelming, almost too much to handle at one time.

Students like Ngilonde Mngomezulu, however, have proven that you can more than survive such changes to your life and lifestyle. You can come through them a stronger, more confident version of yourself, better prepared to take on the world and anything it throws your way.

[Click here for a Q&A account of her story.](#)

Faculty of Veterinary Science

WHAT a PAWsome TWO DAYS! *By Dr Kate May*

On 16 and 17 February 2023 the new second-year BVSc and first-year BVetNurs students got a PAWsome welcome at the Faculty of Veterinary Science's Onderstepoort campus.

[Click here to read more...](#)



Join the JuniorTukkie initiatives

Become a JuniorTukkie member: Complete the membership form at www.up.ac.za/juniortukkie > Become a JuniorTukkie. Utilise the JuniorTukkie Online e-learning platform: Register on the JuniorTukkie Online platform at juniortukkie.online. Receive important notifications via the JuniorTukkie App: Register on the JuniorTukkie App at juniortukkieapp.co.za.

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Social media



JuniorTukkie website:
www.up.ac.za/juniortukkie



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