



JT
JuniorTukkie

No boundaries for Assupol TuksCricket

It is never too late to pursue your dreams
Twee nuwe koshuise vir UP
JT can help you with your studies!

May/Mei 2015

www.up.ac.za/juniortukkie



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Out of the Ordinary™
 Investec

Content/Inhoud



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www.up.ac.za/juniortukkie > JT magazine

Editorials

2015 – 'n Jaar van vernuwing



Met 2015 reeds op dreef, wil ek graag op die JuniorTukkie-kantoor se vernuwing fokus.

In 2015 gaan die aantal JuniorTukkies nie net groei nie, maar verskeie nuwe projekte gaan op ons kalender verskyn.

Die JuniorTukkie-akademie, met sy winter- en somerskole, die e-leerprogramme vir Graad 8- tot Graad 12-leerders, die LectorSA-leesprogramme, asook die Calculus e-leerprogram vir eerstejaarstudente, gaan baie waarde toevoeg tot JuniorTukkies se lewens. Die nuwe JuniorTukkie-ambassadeursprogram het reeds momentum begin kry deurdat studente hul suksesstories by hul skole vertel en die Universiteit van Pretoria bekendstel.

JuniorTukkie se internasionale tak is een van die nuutste projekte. Graad 11- en Graad 12-leerders van verskillende lande in Afrika, Amerika en selfs Indië kan van hierdie jaar af die Graad 11-bemagtigingsweek bywoon. Die JuniorTukkie-kantoor wil ook reël dat JuniorTukkies ander lande as deel van 'n uitruilprojek kan besoek.

Nog 'n groot verandering is die JuniorTukkie d6 Communicator wat ná enkele weke reeds 'n impak gemaak het. Dit vergemaklik ons kommunikasie met JuniorTukkies en verseker dat belangrike inligting vinniger oorgedra word.

In 'n poging om meer leerders en studente te bemagtig, word daar beplan om drie van die JuniorTukkie-projekte uit te brei deur dit ook in provinsies buite Gauteng aan te bied. Indien moontlik, sal die Graad 12-voorbereidingskonferensie, die Graad 11-bemagtigingsweek en die Inligtingsessie vir Graad 10- en Graad 11-leerders eersdaags in ander provinsies aangebied word.

Aan die matrieks: Baie sterkte met julle laaste skooljaar en julle aansoeke vir toelating tot studieprogramme. Aan die Graad 11's: Onthou, jou Graad 11-eindeksamen is seker die belangrikste eksamen wat jy ooit gaan skryf. Dié uitslae bepaal of jy toelating tot studies by UP gaan kry.

Visit the JuniorTukkie web page (www.up.ac.za/juniortukkie) regularly, download our d6 Communicator, use our online programmes and attend our JT events.

The JuniorTukkie Alumni is also up and running. Anyone can contribute to the empowerment of a JuniorTukkie.

Petrus Lombard

Projekbestuurder: JuniorTukkie

Plan ahead – start exploring your future options now



This year has been good to me so far, but the first six weeks were tough.

I am part of the Corporate Social Investment Division at Investec, which supports many worthwhile

causes, such as offering bursaries at university level. As a result, for at least six weeks after the release of the Grade 12 results, I was bombarded by matriculants who had failed to prepare for life after Grade 12. So this is the focus of my editorial note to you.

Many of the students who made contact with me were faced with the following challenges:

- They were not sure what to study.
- They had not applied for admission to a tertiary institution.
- They could not afford university fees, but had not applied for bursaries either.

As you can imagine, there was very little I could do to assist them at such a late stage. Why not? Firstly, it was not up to me to decide what they should study. Secondly, I could not change the fact that most tertiary institutions were full and could not accommodate latecomers. The Investec Corporate Social Investment (CSI) Bursary Programme, like many others, also has an application process with a specific closing date (30 September of every year), after which time no further applications can be considered. Have a look at the images of the presentation and candidates on page 8.

It saddens me that many of these youngsters worked so hard to produce very good Grade 12 results, but had not invested enough time in exploring and planning their lives after Grade 12. I would like to urge you to start thinking about your options. Trust me, this is really a worthwhile exercise. It might still be a year or two before you are in Grade 12, but it is never too early to start planning. Remember, you are our future leaders, but true leaders have a good idea of where they want to be and work hard to get there – so start today!

In closing, it is important to invest in our future by dedicating the next couple of years to learning as much as you can. This is learning that is not restricted to your schoolwork. It is learning that is encouraged by having a continuously enquiring mind. Learning can take place almost anywhere. As you meet and engage with people, young or old, every interaction has the ability to make you wiser. Ask questions and read as much as you can, because there is so much to be learnt at every opportunity. It is up to you to seize these opportunities.

Remember that every dream has a road and every road has a beginning – let your dreams begin!

Setlogane Manchidi

Head: Investec Corporate Social Investment

Career focus

So... you want to be a doctor?

Here's what to do



No! You can't just play the operation board game!
You need to take real action.



Apply for an MBChB – Bachelor of Medicine and Surgery or a BChD – Bachelor of Dentistry.



Make sure you:

Indicate either an MBChB or BChD degree as your first choice on your application. It is recommended that you indicate a BSc (Biological Sciences) field of study programme as your second choice.

What happened?

YES



**Congratulations!
You are one step closer to becoming a doctor.**

Was your application for an MBChB or BChD degree successful?

NO



Okay, don't panic and don't give up!

If you have been admitted to a BSc (Biological Sciences) field of study programme, you still have a chance to be reconsidered for an MBChB or BChD degree after six months for the July intake. The July intake will give you another opportunity to be considered to study an MBChB or BChD degree based on your first semester's examination marks.

To make sure you are eligible to be considered for an MBChB or BChD degree, replace the Mathematics module (WTW 134) with the following three modules:

- **Science and World Views (FIL 155)**
- **Medical Terminology (MTL 180)**
- **People and their Environment (MGW 112)**

Minimum requirements to register for MGW 112:

- Grade 12 Mathematics 70%
- Admission Point Score (APS) of 34



Did you know? The first ever human heart transplant was performed by South African surgeon, Dr Christiaan Barnard, at Groote Schuur Hospital in Cape Town in 1967. A talented man, he was also the first to do a heart-lung transplant.

Career focus

Be a leader in your field with the Higher Certificate in Sport Science

Prof Ernst Kruger



Sport science is an exciting field. Students are able to apply scientific principles to sport in order to improve performance. This is done through athlete assessment, profiling, monitoring and conditioning elements. Students are also taught specialist skills in the analysis, preparation, recovery and competition areas of sport.

Today, sport is a very important aspect of society. This is because it is a direct source of revenue and prestige, and because it is essential for development. The University of Pretoria has contributed more than 100 senior Proteas and Springboks and is currently the largest provider of athletes to the various national sporting teams. This gives sport science students access to a large pool of expertise and experience.

The Higher Certificate in Sport Science is a one-year, full-time study programme. The extended programme allows students to complete the programme in two years.

- The programme provides flexible learning opportunities that include lectures, tutorials and practical sessions.
- The programme provides you with the skills and knowledge to improve athlete performance by means of physical assessment, exercise, conditioning prescriptions and basic research.
- The programme aims to develop coaches who can function successfully in an interdisciplinary environment and who can improve athletes' and sports teams' performance using the latest techniques and research.
- Students are taught and trained by leaders in the field of sport science and coaching, and they have the opportunity to work with various sporting codes and athletes with different levels of skill.
- The programme enables individuals who participate in sport at a national or international level to complete this qualification while they pursue a sporting career.

- The programme aims to produce students who are highly qualified to work in an interdisciplinary environment (ie sports club marketing and management, sports coaching, sport science, education, anatomy, physiology, biomechanics and training/occupational injuries) and to develop world-class and innovative graduates who will have the expertise to become leaders in this discipline.

Upon completion of this study programme, students who wish to study further can apply for the BA Sport and Leisure Studies Option: Sport Coaching Sciences, a BEd degree or the BSportSci – Bachelor of Sport Science degree, provided certain academic criteria are met.

Did you know?

Some of the sportsmen and -women who have completed this course include:

- Hanro Liebenberg – rugby SA u/20
- Fredriech Pretorius – African decathlon champion
- Lee-Ann Persse – Third in the rowing world championship
- James Thompson and Lawrence Ndlovu – Olympic Games 2012 – rowing gold medallists
- Emily Grey – 2012 Paralympic Games – swimming
- Nobuhle Dlamini – Representative of Swaziland in golf and player on the world PGA circuit

Admission requirements

Admission to this study programme requires a National Senior Certificate and an APS of at least 15. Prospective students must write the National Benchmark Test. UP admits 116 students annually based on academic merit (55%) and their sporting achievement (45%).

Newsmakers

No boundaries for TuksCricket

The members of the Assupol TuksCricket team have earned their stripes! They were crowned the Red Bull Campus Cricket World Champions in London on Saturday, 26 July 2014.

Two Assupol TuksCricket players, Aiden Markram and Corbin Bosch, made history when they played in two teams that each won a world tournament in 2014. Both Aiden and Corbin represented the South African under-19 team at the Red Bull Campus Cricket World Finals and the ICC under-19 World Cup in Dubai in February 2014, where Corbin was named "Man of the Match" in the final and Aiden, who was captain of the team, was named "Player of the Tournament".

At the Red Bull Campus Cricket World Finals, teams from South Africa, the West Indies, Australia, England, Pakistan, Bangladesh, India and Sri Lanka converged.

South Africa beat the West Indies in the final at the Kia Oval by 40 runs to become the best university cricket team in the world.

Aiden finished with the second-most runs in the tournament (174 off 141 balls) after team mate Theunis de Bruyn (209 off 107 balls), with a highest score of 76 against the West Indies in the group stages. Corbin took 12 wickets in five matches.

It was clear that the Assupol TuksCricket team meant business. First in the firing line was Bangladesh, then came Leeds/Bradford MCC and finally the West Indies.

Assupol TuksCricket earned the right to be crowned the World Champions of Red Bull Campus Cricket. That is the most precise way to describe how they played from the moment they got there.

Q&A with Aiden and Corbin

Aiden Markram (left) and Corbin Bosch (right)



How did it feel when you won your second world cup for South Africa in one year?

Aiden: It is a massive honour to play in two world cups in one year and we were very fortunate to have won both. I will remember this for the rest of my life.

Do you believe that something specific in your preparation for the tournaments helped you win?

Corbin: We cover all the bases and prepare for a range of possibilities. I think that gave us the edge. Individual and team training differs and our coaches prepare us well.

Being a player and a student can be taxing, how do you balance the time between studies and playing cricket?

Aiden: Cricket will always be my priority, but I make sure I devote enough time to my studies and that often means extra hours in the evening.

Aiden is studying towards a BCom (Recreation and Sports Management) degree at the University of Pretoria.

Do you have any advice for players still at school about how to make their cricketing dreams a reality?

Corbin: Hard work pays off. Make sure your training is of a high quality, not necessarily of a great quantity. Dedication and commitment are important, but it is also important to enjoy the game.

What does it mean to you personally, to be part of TuksCricket?

Aiden: Assupol TuksCricket is a fabulous environment for all cricket players who want to grow their game. They are making history! It is an honour to be part of TuksSport and the University of Pretoria. The facilities and support that we have access to are incredible.

If this sets the bar for the level of cricket and the resolve to win Red Bull Campus Cricket, then it is worthy to say that the global tournament has found worthy ambassadors. – Rohan Vyavaharkar – Red Bull UK

Newsmakers



Assupol TuksCricket achievements 2015

The Assupol TuksCricket team was crowned the best university cricket team in South Africa after winning the first Varsity Cricket tournament in Potchefstroom from 2 to 8 February 2015.

The team continued its winning streak when it won the Northerns Cricket Union (NCU) T20 Club Competition for the third consecutive year on 22 February 2015.

The team then went on to win the NCU Premier League for the fifth year in a row on 14 March 2015. The next day it won the NCU knock-out final for the sixth consecutive year.

Preparing for university

Preparing for the big leap... What you can do to make applying for university a breeze

Choosing a study programme at university is one of the most important decisions of your life. It is also one of the biggest challenges in a young adult's life. You should start preparing for university as early as possible. Do not wait until you are in Grade 12.

Choosing a career

- Choosing a career can be a difficult decision. Select three possible career choices and gather as much information about them as possible. Find out what is required and if the study programme requires a selection process. Find out which module you will be taking in each study programme.
- Make an appointment with a lecturer in the field of study if possible, as well as with a person working in the profession. You must gather information on the positive and negative issues of the profession. It is an excellent idea to spend a day or two with a person in the profession you want to study. This is called "shadowing".
- Your career must be your passion and not something other people want you to do. Be proud of your chosen study programme and prepare for it with all your heart.
- Application usually takes place early in your Grade 12 year. You have to be ready to use all the information you gathered. The process must start early to enable you to make an informed choice and meet the application deadlines.



Image courtesy of Chilala Nsanzya ©

Study skills and time management

The way a student studies at university is different to the way a learner studies at school. Classes are bigger, the work is much more and you cannot easily catch up once you fall behind.

While you are still at school, get into the habit of studying daily, prepare your work, revise and read a lot. You should also improve your communication, reading and writing skills. This should be your focus in Grade 9 to Grade 12. Time management and prioritising work are skills you can already learn at school. Find out when your best time to study is. In other words, are you a morning or an evening person? Plan your activities accordingly.

Healthy lifestyle

You can learn good habits that will help you be a successful student while you are still in school.

- Keep fit: Participating in sport and leisure activities will give you more energy, release stress and help you to study and concentrate. It is not necessary to spend money on fitness as you can do it at home or at school.
- Stay motivated: When the going gets tough, you will need to know what motivates you. You can get far with a positive attitude and self-motivation. It also helps you to manage your weaknesses.
- Grow healthy relationships: Social interaction with friends and family is an important part of a young person's life. You can prepare yourself for a healthy university life by engaging in healthy relationships, maintaining high moral values and avoiding negative habits like alcohol and drug abuse.
- Know yourself: Get to know yourself and improve your self-esteem. Set clear and reachable goals for yourself. As a potential university student, visualise success and surround yourself with positive thoughts and dreams.



Do not ever compare yourself to other people, because you are unique. It is not the number of strengths you have that makes you a successful, happy person, but what you do with your talents and strengths.

Dr Madeleine Nolte – Head: Student Support

A person in authority is not necessarily a saint, an artist, a philosopher or a hero, **but he respects truth, appreciates what is beautiful, knows how to behave himself and is courageous in meeting his obligations**

Earl Nightingale

Investec Corporate Social Investment (CSI) Bursary Programme



Investec bursary candidates



Students listening to the Investec CSI presentation

Feel good

Overcoming obstacles with the Unit for Students with Special Needs

The Unit for Students with Special Needs (previously known as the Disability Unit) opened its doors in 2002. The Unit, housed in the Department of Student Affairs, serves students living with disabilities by identifying and removing obstacles that may hamper their academic success.



Currently, four full-time staff members serve 538 students with special needs. These students include:

- 12 blind students;
- 59 hard-of-hearing students;
- 288 students with learning disabilities;
- 6 speech-impaired students;
- 136 visually impaired students;
- 14 students who are wheelchair users; and
- 23 students with other impairments.

The Unit also caters for students with a temporary disability resulting from an accident or surgery. This type of injury often relates to a hand or arm injury. The duration is usually between six and eight weeks, after which a full recovery is made.

The services rendered by the Unit both in and out of class include the following:

- Converting study materials into suitable formats for print-handicapped students.
- Providing concession recommendations to students.

- Providing lecturers with assessment reports on how they can accommodate students living with disabilities during classes and assessments.
- Providing test and examination venues.
- Providing designated study rooms with assistive technology. This includes 25 computers, ten of which are equipped with Job Access With Speech (JAWS) for Windows, five with Zoomtext and one with Dragon Voice Recognition software. There are also three desk magnifiers for students with visual impairments.
- In the Braille Room, there is a computer equipped with DBT Win Braille Translation software and JAWS for Windows, together with a Braillo200 high-capacity Braille embosser and a Tiger Pro200 tactile embosser, which is used to produce Braille graphics.
- The Unit has one Braille typewriter and five electronic Braille displays, as well as two portable electronic magnifiers that can be loaned to students.
- The Unit also has an FM Loop System, which can be loaned to hearing-impaired students. All students living with disabilities who qualify are granted concessions for tests and exams.
- Tutors are employed to assist blind students with work that contains visual elements. This eliminates the need to have the work processed externally at a much higher cost and longer waiting period.

Students with special needs have started Tuks Enabling Society (TES), which provides a platform for them to express their needs and to collaborate as they advocate for change management and encourage research, collaboration and development in the field of people living with disabilities.

For more information: Simon Sikhosana
Old Chemistry Building (Room 1-11)
Email simon.sikhosana@up.ac.za
Tel +27 (0)12 420 2064

Feel good



Mashooda Sedibeng – blind

I lost my eyesight at the age of six due to congenital glaucoma.

I am a second-year BA (Tourism) degree student. When learning material is not available to visually impaired or blind students, I ask my friends to read me the notes while I type them and convert them to Braille. The Braille reader at the Unit for Students with Special Needs is enormously helpful. I am not too fond of technology, but I use Google to do research. I have an activated screen reader and speech synthesis on my cell phone, which makes it easy to use.

I enjoy visiting museums and zoos, but the exhibits are not always accessible to me. Luckily, I can remember what most things look like, but others are not as fortunate. Once I have completed my degree, I would like to make museums, zoos and exhibits more accessible to visually impaired people.



Tinyiko Gwambe – born without limbs

When I was little, my mother had to work, so my aunt took care of me. She taught me to sit, feed myself, wash my face, as well as read and write. I faced many challenges.

In Grade 12, I applied to study Information Technology at UP. In my first year at university, my brother pushed me from our flat in Sunnyside to and from campus every day. We had no money for transport.

The Unit for Students with Special Needs helped me apply for a National Student Financial Aid Scheme (NSFAS) bursary. In October 2014, I received a bursary that covers tuition, accommodation, meals and books. It also helped me to buy a powered wheelchair. This year, I switched my study programme to social work. My disability poses many challenges, but I am very grateful for the services provided by the Unit for Students with Special Needs. I have met other disabled students and we support and encourage each other.



Zak Claassen – blind

During my birth, a doctor used forceps and injured my brain's visual cortex. My eyes are fine physiologically, but I cannot see.

I am a second-year BSc (Genetics) degree student. At first, I was not admitted to this study programme, but Prof Marietjie Potgieter, who is an associate professor in the Faculty of Natural and Agricultural Sciences, helped me to find solutions to most of the challenges I would face. The discipline intrigues me and I would like to pursue a postgraduate degree in bioinformatics, because it involves a lot of computer work.

The University of Pretoria's Unit for Students with Special Needs has helped me to make the most of my study programme and the University even provides us with opportunities to participate in special sports. As blind students, we can play blind cricket or goal ball.



Reinette Taljaard – blind

My eyes never developed fully, so I have been completely blind since birth.

I am a second-year BA (Law) degree student and would like to specialise in medical malpractice. As a blind person, I could speak for people with disabilities. When I came to UP, I wanted to be in a residence. I am in Klaradyn and I love every minute, especially the wonderful friends I have made.

I use my laptop to take notes in class. I type as the lecturer speaks and study electronically using a Screen Reader, which reads every line of text.

Seeing is not necessarily believing. We are living proof of this. I would definitely encourage any person, no matter what their disability, to apply for a study programme at UP.

JuniorTukkie-verwelkomingsfunksie

JT-verwelkomingsfunksie erken toppresteerders

Die JuniorTukkie-verwelkomingsfunksie het op Donderdag, 5 Maart 2015, in die Aula op die Universiteit van Pretoria (UP) se Hatfieldkampus plaasgevind. Die eerste funksie is in 2009 gehou om erkenning te gee aan studente wat in die matriekeindeksamen presteer het.

UP beskou die oorgang van hoërskool na universiteit as 'n belangrike prioriteit en fokus dus op sy studente se suksesse. Studente is weereens tydens dié byeenkoms aangemoedig om hard te werk en 'n gesonde balans tussen akademiese, sport- en sosiale aktiwiteite te handhaaf. Die Universiteit van Pretoria bied verskeie prestasietoekennings aan studente.

Die funksie is bygewoon deur JuniorTukkies wat gekwalifiseer het vir die volgende toekennings:

Visekanselier se Spesiale Toekenning: Studente wat vir hierdie toekenning gekwalifiseer het, het elkeen 'n beurs van R10 500 ontvang.

2013 Graad 11-bemagtigingsweekprestasietoekennings: Die top-15-leerders wat die Graad 11-bemagtigingsweek in 2013 bygewoon het, het elkeen op grond van hul gemiddelde persentasie in die matriekeindeksamen 'n bedrag van R13 600 ontvang.

2014 Graad 12-voorbereidingskonferensietoekennings: Op die laaste dag van die Graad 12-voorbereidingskonferensie is 'n trekking gehou waartydens drie studente elkeen 'n bedrag van R10 700 gewen het.

Graad 12-duxleerders: Die Graad 12 akademiese toppresteerders van UP se voederskole (een duxleerder per skool) het elkeen 'n prestasietoekenning van R5 000 ontvang.

Prestasietoekennings (90%+ gemiddeld): Studente in die fakulteite Gesondheidswetenskappe en Veeartsenykunde kwalifiseer vir 'n gewaarborgde akademiese prestasie-

toekenning van R20 000 indien hulle 'n gemiddeld van 90% of meer in die matriekeindeksamen behaal het. Studente in al die ander fakulteite kwalifiseer vir 'n gewaarborgde akademiese prestasietoekenning van R40 000 indien hulle 'n gemiddeld van 90% of meer in die matriekeindeksamen behaal het.

Edu-Loan-beurs: Die JuniorTukkie-eerstejaarstudent wat die hoogste gemiddelde persentasie in die matriekeindeksamen behaal het, het 'n Edu-Loan-beurs ter waarde van R12 000 ontvang.

MasterCard Foundation Scholarship Program: UP is die eerste Suid-Afrikaanse universiteit wat as vennoot aan die MasterCard Foundation Scholarship Program deelneem. Vanjaar het 18 studente elkeen 'n volle beurs vir hul studies ontvang en outomaties lede van die JuniorTukkie-klub geword.

Studente is tydens die geleentheid aangemoedig om by die JuniorTukkie-studentevereniging en die JuniorTukkie-alumni aan te sluit, asook om betrokke te raak by die verskillende aktiwiteite op kampus soos studentekultuur, die TuksFM-radiostasie en fakulteits- en daghuise. Deur betrokke te raak, neem hulle die eerste treë na geleenthede om 'n groot verskil in die lewens van die volgende generasie leiers te maak.



Zandi Dlamini deel haar JuniorTukkie-ervaring met die gehoor.

Die JuniorTukkie-span wil graag al die studente gelukwens met hul uitnemende prestasies.

JuniorTukkie-verwelkomingsfunksie



Johan Kruger (links) ontvang die Edu-Loan-beurs van Me Totsie Memela, Hoof Uitvoerende Beampte van Edu-Loan

Een van die hoogtepunte van die geleentheid was die aankondiging dat Johan Kruger die Edu-Loan-beurs van R12 000 ontvang het as die JuniorTukkie met die hoogste akademiese gemiddeld.

Johan se prestasies sluit die volgende in:

- 2010 tot 2014: Toppresteerder vanaf Graad 8 tot Graad 12
- 2014: Beste Graad 12-leerder in Limpopo
- 2014: Provinsiale wenner in beide die Afrikaans- en Wiskunde-olimpiades
- 2014: Graad 12 akademiese gemiddeld: 95.9% (Lewensoriëntering ingesluit)
- 2014: Behaal 96% in Gevorderde Wiskunde
- 2013 en 2014: Lid van die eerste hokkiespan
- 2014: Verwerf provinsiale kleure vir hokkie
- 2013 en 2014: Lid van die tweede gholfspan
- 2013 en 2014: Neem deel aan ATKV-debat en openbare redevoering
- 2014: Onderhoofseun van die Hoërskool Pietersburg
- 2014: Lid van die skool se beheerliggaam

“Ek het besluit om by Tuks te studeer, aangesien dit na my mening een van die beste universiteite in Suid-Afrika is. Ek wil graag eendag ’n verskil in ander mense se lewens maak en deur ’n MBChB-graad aan Tuks te voltooi, kry ek die ideale geleentheid om my daarop voor te berei. Ek sien daarna uit om by een van die beste mediese fakulteite in die wêreld te studeer!”

Johan Kruger

JuniorTukkie Enrichment Camp

JT Enrichment Camp inspires young leaders

At the JuniorTukkie Student Society, enrichment is an important part of the experience. The Enrichment Camp for first- to final-year JuniorTukkie Student Society members was held at Altelekker Youth Camp from 10 to 12 April 2015.



The successful leader is the one who makes the right move at the right moment with the right motive.

The ultimate leader is one who is willing to develop people to the point that they eventually surpass him or her in knowledge and ability.

– Fred A. Manske, Jr

The aim of the JuniorTukkie Student Society is for JuniorTukkies to plough back their time and knowledge to the benefit of the JuniorTukkie programme. These students endeavour to give back to the community what they have received as JuniorTukkie members, especially

as it benefits other young people. But it is not all about work, because socialising, and using one's skills and talent can make a huge difference in other people's lives. The Society's motto is: "The more you give, the more you will receive."

The students participated in workshops that covered the following:

- How to structure a society
- Training of new members of the society
- JuniorTukkie Student Society portfolio planning for 2015
- My JuniorTukkie dream
- A future leader's presentation
- Motivational presentations
- Planning outreach projects
- TuksAlumni
- The Community-based Project (JCP) in the Faculty of Engineering, Built Environment and Information Technology
- Community engagement
- The launch of the new JuniorTukkie Ambassador's Programme
- Planning session:
 - The way forward
 - Vision and mission discussion
 - Time management

TEAMWORK

The students also participated in practical activities, such as the Free Trust Adventure sessions that highlighted what they can achieve by working together as a team.

INSPIRATION

The JuniorTukkie management team's presence inspired these students through their motivational talks and leadership. They thoroughly enjoyed this memorable event and all agreed that they gained valuable knowledge and experience.



JuniorTukkie Ambassador's Programme

Equipping JT students to achieve more

Many students want to be involved in outreach projects in their communities. Through the JuniorTukkie Ambassador's Programme, we hope to equip outstanding JuniorTukkie students to recruit more quality prospective students both nationally and internationally. In this manner, they will serve as an extension of the Division: Student Recruitment and Retention at the University of Pretoria (UP).



#JuniorTukkieAmbassador

Definition of a JuniorTukkie ambassador

A selected individual who represents the JuniorTukkie community and the University of Pretoria as an ambassador. Ambassadors will function either as course consultants or as presenters.

The JuniorTukkie Ambassador's Programme:

- The programme aims to equip selected JuniorTukkie students as ambassadors who will interact with prospective students during presentations at schools and career exhibitions. They will also help with the dissemination of information to ensure that the same recruitment message is communicated everywhere.
- Petrus Lombard and Nancy Mashele will train all ambassadors and provide them with brochures to distribute when they visit schools and communities. Comprehensive training in UP's study programmes and admission requirements, as well as professional presentation skills, will be provided.
- JuniorTukkie ambassadors will address excellence groups during the following JuniorTukkie events:
 - The Grade 11 Empowerment Week
 - The Grade 12 Preparation Conference
 - The Welcoming and Achievers Function for new first-year students
- Ambassadors will also accompany school groups when they visit UP Sci-Enza and undertake various campus tours. Photographs will be taken during every visit and outreach.
- No sponsorship will be available for the outreach and it will be voluntary.
- In particular, the ambassadors will reach out to learners in remote areas who are often neglected in institutional recruitment drives.
- An annual JT Ambassador's Forum, involving the Student Representative Council (SRC) and various student societies, will be held.

Prospective JuniorTukkie Ambassador's Programme groups:

- JuniorTukkie Student Society members
- Second-year Community-based Project (JCP) students in the Faculty of Engineering, Built Environment and Information Technology
- MasterCard Foundation Scholarship Program
- Promaths students
- Dimension Data students
- Sci-Enza interns
- ENACTUS (entrepreneurship programme) students
- MREY-Mpephu Rural @ UP (society from all faculties)
- Faculty of Economic and Management Sciences Society
- Campus Tours
- UP with Science
- Faculty representatives and students from different faculties
- JuniorTukkie Alumni
- International Students Division
- JuniorTukkie in the following faculties:
 - Law
 - Health Sciences
 - Education
 - Veterinary Science
 - Humanities
 - Theology
- All student societies on UP campuses in collaboration with the SRC
- TuksSport
- Young Alumni Student Committee (YASCOM)
- Client Service Centre call centre staff
- Grade 11 Empowerment Week learners

JuniorTukkie Africa and International Chapter

JT leaves footprints around the world



The JuniorTukkie Office has embarked on a mission to leave its footprint throughout Africa and the world. The aim is to give deserving students at educational institutions from all over the world the opportunity to share in the benefits of the JuniorTukkie programme, but also to provide JuniorTukkies in South Africa the opportunity to experience student life in other countries.

The mission has two main goals:

1. To establish a dynamic relationship-building and enrichment programme to identify and invite deserving students from other countries to benefit from the JuniorTukkie programme's activities in order to prepare them for successful transition from high school to a tertiary study environment.



2. To empower current JuniorTukkie members by exposing them to similar enrichment programmes in other countries and to provide them with opportunities to attend and experience these programmes.

TANZANIA

During a recent visit to Tanzania, the School of St Jude and St Constantine's International School in Arusha indicated their willingness to establish a formal partnership with the JuniorTukkie programme. They undertook to send some of their learners to the JuniorTukkie Grade 11 Empowerment Week to be held on the Hatfield Campus from 27 June to 3 July 2015.



USA

The JuniorTukkie programme has also signed an agreement with a USA representative of the National Society for High School Scholars (NSHSS) to support JuniorTukkie initiatives. The NSHSS is an honours society that recognises top academic achievers from high schools around the world and encourages members to apply their unique talents, vision and potential for the betterment of themselves and the world.



Leadership and learning are indispensable to each other.

– John F. Kennedy

JuniorTukkie d6 Communicator

A new way to stay in the loop



JuniorTukkies, the d6 Communicator is here! At JuniorTukkie, we are not afraid of embracing the digital era, so we have developed an exciting new way to keep you in the loop. In an effort to improve our communication with JuniorTukkie members and parents, the d6 Communicator has been added to our current communication media, such as the JuniorTukkie website (www.up.ac.za/juniortukkie), SMS, email, Facebook, Twitter and personal contact.

Please download the d6 Communicator on your computer, your cell phone or mobile device by using the following links:

Windows and Mac www.d6technology.com/downloads.php?id=8076

Mobi site <http://d6communicator.mobi>

Cell phone/mobile application
<http://d6technology.com/downloads.php>

The d6 Communicator provides information through the following links:

- At a glance – On this link you will find information “at a glance” about the most recent news.
- News – All JuniorTukkie news will appear on this link.
- Calendar – JuniorTukkie events for 2015 are on this link.
- Gallery – View photos of JuniorTukkie projects and other events on this link.
- Resources – Important information such as University of Pretoria programme information, financial information and residence information will appear on this link.

- Contacts – Contact information for JuniorTukkie staff and senior student advisors is on this link.
- Share – Help us spread the word – tell your parents and/or friends about the d6 Communicator.
- Personalise – It is important that you choose the relevant group(s), as the news is categorised as follows: Grade 10, Grade 11,

Grade 12, JT Student Society or JT Alumni. For example, if you are a parent and you have two children in different grades, you may select more than one category. You'll get the news in both categories.

- Website – This link takes you to the JuniorTukkie website where you will be able to navigate to other UP websites.

For questions,
please send an email
to junior.tukkie@up.ac.za or call
+27 (0)12 420 6486/6606.

As we look
ahead into the
next century,
**leaders will
be those who
empower
others.**

Bill Gates

JuniorTukkie-studentevereniging

JT-studentevereniging verryk ander se lewens

Die JuniorTukkie-studentevereniging is gestig om die JuniorTukkie-kantoor te help met sy verskillende JuniorTukkie-projekte en terselfdertyd waardevolle kennis en vaardighede op te doen. Eerste- tot finalejaarstudente is welkom om by die JuniorTukkie-studentevereniging aan te sluit.



Mandela-dag

Die JT-studentevereniging wil graag gemeenskappe bemagtig. JT-studente skenk hulle tyd en doen moeite om nabygeleë gemeenskappe te help om in hul basiese behoeftes te voorsien. Gedurende Julie 2014, het studente 'n groep senior burgers in Mamelodi as deel van die Vereniging se Mandela-dagvieringe besoek. Die studente het die senior burgers gehelp om hulle groentetuin op te knap en het gereedskap vir instandhouding geskenk. Die studente het ook 'n JoJo-watertenk en 'n waterpomp om besproeiing te bevorder geskenk.



Groentetuin

In 'n poging om in die toenemende behoeftes van studente op kampus te voorsien, het die JT-studentevereniging 'n groentetuin naby Sci-Enza op die Hatfieldkampus uitgelê. Studente plant en oes groente wat dan aan 'n voedingskema geskenk word. Hierdie voedingskema voorsien ten minste een ete 'n dag aan minderbevoorregte studente wat dikwels honger ly.



YASCOM Houers vol Hoop

Die JT-studentevereniging het onlangs saam met die Jong Alumni-studentekomitee (Young Alumni Student Committee – YASCOM), wat hom daaraan toewy om in die behoeftes van studente op kampus te voorsien, gewerk. Hulle versamel nie-bederfbare items gedurende die jaar in verskeie houers op kampus en oorhandig dit dan aan YASCOM vir verspreiding aan studente.

Dit is die verskil wat ons in ander se lewens gemaak het wat saakmaak, nie die blote feit dat ons gelewe het nie. Die verskil wat ons maak bepaal hoe betekenisvol ons lewe is.

– Nelson Mandela



JuniorTukkie Academy

JT Academy can help with your studies!

The JuniorTukkie Academy offers Grade 8 to Grade 12 learners, as well as first-year students, great opportunities. This includes a reading programme, e-learning packages, as well as winter and summer schools. The JT Academy supports learners and students to improve their results.

NB: These programmes are only for National Senior Certificate (NSC) candidates.

How to register

Visit www.up.ac.za/juniortukkie > JuniorTukkie Academy and complete the online registration form for any of the programmes as indicated below. Students, who wish to attend the free tutor classes, should also complete this online registration form.

Winter School (Grade 12)

Date 29 June to 2 July 2015
Venue University of Pretoria,
Hatfield Campus

Summer School (Grade 11)

Date 5 to 8 October 2015
Venue University of Pretoria,
Hatfield Campus

Presented in Afrikaans

Pakket:

Wiskunde:
Graad 12

Bedrag per vak

(insl BTW):
R500

Pakket:

Fisiese Weten-
skap: Graad 12

Bedrag per vak

(insl BTW):
R500

Slegs R800 indien jy vir
beide pakkette registreer.



Presented in Afrikaans

Pakket:

Wiskunde:
Graad 11

Bedrag per vak

(insl BTW):
R500

Pakket:

Fisiese Weten-
skap: Graad 11

Bedrag per vak

(insl BTW):
R500

Slegs R800 indien jy vir
beide pakkette registreer.

Presented in English

Package:

Mathematics:
Grade 12

Amount per subject

(incl VAT): R500

Package:

Physical Science:
Grade 12

Amount per subject

(incl VAT): R500

Pay only R800 if you register
for both subjects.



Presented in English

Package:

Mathematics:
Grade 11

Amount per subject

(incl VAT): R500

Package:

Physical Science:
Grade 11

Amount per subject

(incl VAT): R500

Pay only R800 if you register
for both subjects.

Write your name, ID number and the programme for which the payment has been made on the proof of payment and email it to juniortukkie@up.ac.za. As soon as we have received your proof of payment, we will confirm your attendance of the Winter School/Summer School. **See banking details on page 22.**

JuniorTukkie Academy

LectorSA reading programme

Date January to December 2015

Package	Package	Package	Package
LectorSA: Grade 10	LectorSA: Grade 11	LectorSA: Grade 12	LectorSA: First-year students
Amount per license (incl VAT): R400	Amount per license (incl VAT): R400	Amount per license (incl VAT): R400	Amount per license (incl VAT): R400

Reading programmes are available in Afrikaans OR English.

Online assistance:

dithlare.mokhema@up.ac.za ■ cc junior.tukkie@up.ac.za



E-learning programmes

Date January to December 2015

(E-learning programmes are only available in English)

Package: E-Mathematics: Grades 10, 11 and 12*
Amount per license (incl VAT): R600

Package: E-Physical Science: Grades 10, 11 and 12*
Amount per license (incl VAT): R600

Package: E-English: Grades 8 and 9*
Amount per license (incl VAT): R600

Package: E-Mathematics: Grades 8 and 9*
Amount per license (incl VAT): R600

Package: E-Calculus Mathematics: First-year students
Amount per license (incl VAT): R400

*Only available in packages and not separately per grade

Online assistance:

svendressler@gmail.com ■ cc junior.tukkie@up.ac.za

Write your name, ID number and the programme for which the payment has been made on the proof of payment and email it to junior.tukkie@up.ac.za. As soon as we have received your proof of payment, your username and password will be emailed to you. See banking details below.

FREE tutor classes for Tuks first-year students

PLEASE NOTE: The following tutor classes will be presented free of charge to first-year students who study at the University of Pretoria:

SUBJECT	CODE	VENUE	TIME	DATE
CHEMISTY	CMY117	Humanities Building 4-6	08:00 to 10:00	Saturdays: 18 April 2015 25 April 2015 2 May 2015 9 May 2015 16 May 2015 23 May 2015 30 May 2015
CHEMISTRY	CHM171	Humanities Building 4-6	11:00 to 13:00	
STATISTICS	STK 110	Humanities Building 4-8	08:00 to 10:00	
STATISTICS	WST 111	Humanities Building 4-8	11:00 to 13:00	
PHYSICS	FSK 116	Humanities Building 4-7	08:00 to 10:00	
PHYSICS	PHY 131	Humanities Building 4-7	11:00 to 13:00	

Enquiries Clifford (Chemie/Chemistry) 073 5311 053 ■ Kudzai (Statistiek/Statistics) 083 5269 150 ■ Mpumelele (Fisika/Physics) 079 5929 997

HOW TO MAKE YOUR PAYMENT	PROGRAMME	REFERENCE ON DEPOSIT SLIP
<ul style="list-style-type: none"> Please deposit the relevant amount into the following bank account: Bank Absa Bank Account University of Pretoria Branch code 632005 Account number 2140000038 Please indicate the relevant programme's reference (see table to the right) on your deposit slip when you make your payment. Please note that no credit card payments will be accepted. 	LectorSA reading (Grade 10)	AOW6334379 L10 ID
	LectorSA reading (Grade 11)	AOW6334379 L11 ID
	LectorSA reading (Grade 12)	AOW6334379 L12 ID
	LectorSA reading (First-year students)	AOW6334379 L13 ID
	Winter School (Grade 12)	AOW6334379 W12 ID
	Summer School (Grade 11)	AOW6334379 S11 ID
	E-Mathematics (Grade 10-12)	AOW6334379 MA ID
	E-Physical Science (Grade 10-12)	AOW6334379 PH ID
	E-English (Grade 8-9)	AOW6334379 EN ID
	E-Mathematics (Grade 8-9)	AOW6334379 MT ID
	E-Calculus Mathematics (First-year students)	AOW6334379 CM ID

Enquiries Tel +27 (0)12 420 6606/5102 Email junior.tukkie@up.ac.za

Engineering, Built Environment and Information Technology

Informatics, a unique discipline

You have probably heard the term “informatics” before, but you might be wondering what it is. Informatics is the science of information, information processing and computer engineering information systems. It is about the structure, algorithms, behaviour and interactions of natural and artificial systems that store, process, access and communicate information.

The Department of Informatics at the University of Pretoria teaches its students to design, build, implement and secure computer information systems that meet human needs. These students combine skills from the study programme with their personal and professional interests to build innovation in information and communication technology in the private, public and non-profit sectors. The discipline focuses on understanding the relationships between people, information and technology.

Informatics plays an important role in the emerging field of data science (pulling knowledge from a set of data). According to the website Math is Fun, data is a collection of facts, such as numbers, words, measurements, observations or even just descriptions of things. Hal Varian, chief economist of Google, says that the ability to understand, process, visualise and communicate data is going to be an important skill in the next decades, not only for professionals, but even for primary school and high school learners, as well as university students.

The Department believes in delivering high-quality graduates and many of our alumni are in leadership positions in leading companies around the world.

Project Day

On 22 October 2014, the Department hosted a Project Day for its final-year BCom (Informatics) degree students. Some 24 groups participated in an exhibition, which was held in the Sanlam Auditorium on the University's Hatfield Campus. As always, each group of four to five students designed a business information system for a real client. The systems that were developed included a project management resource scheduler, point-of-sales system, swim school registration and management system, construction plant management system, panelbeater quoting and administration system and stock ordering and management information system. During this project, groups have to meet ten milestones throughout the year. The result is a functioning business information system with user and training manuals.



At Project Day, the Investec Prize is annually awarded to the group that comes up with the most innovative idea as part of its business solution. The overall winner was Group 5 (comprising Dizhon Visser, Toinette Barnard, Kobus Potgieter, Marike Muller and Carl Sutherland) with its project management resource scheduler for the client AccTech Systems. This group's system was developed to run on multiple platforms, including mobile devices such as iPads and other tablets, as well as most cell phone platforms.

Careers... that grow on trees

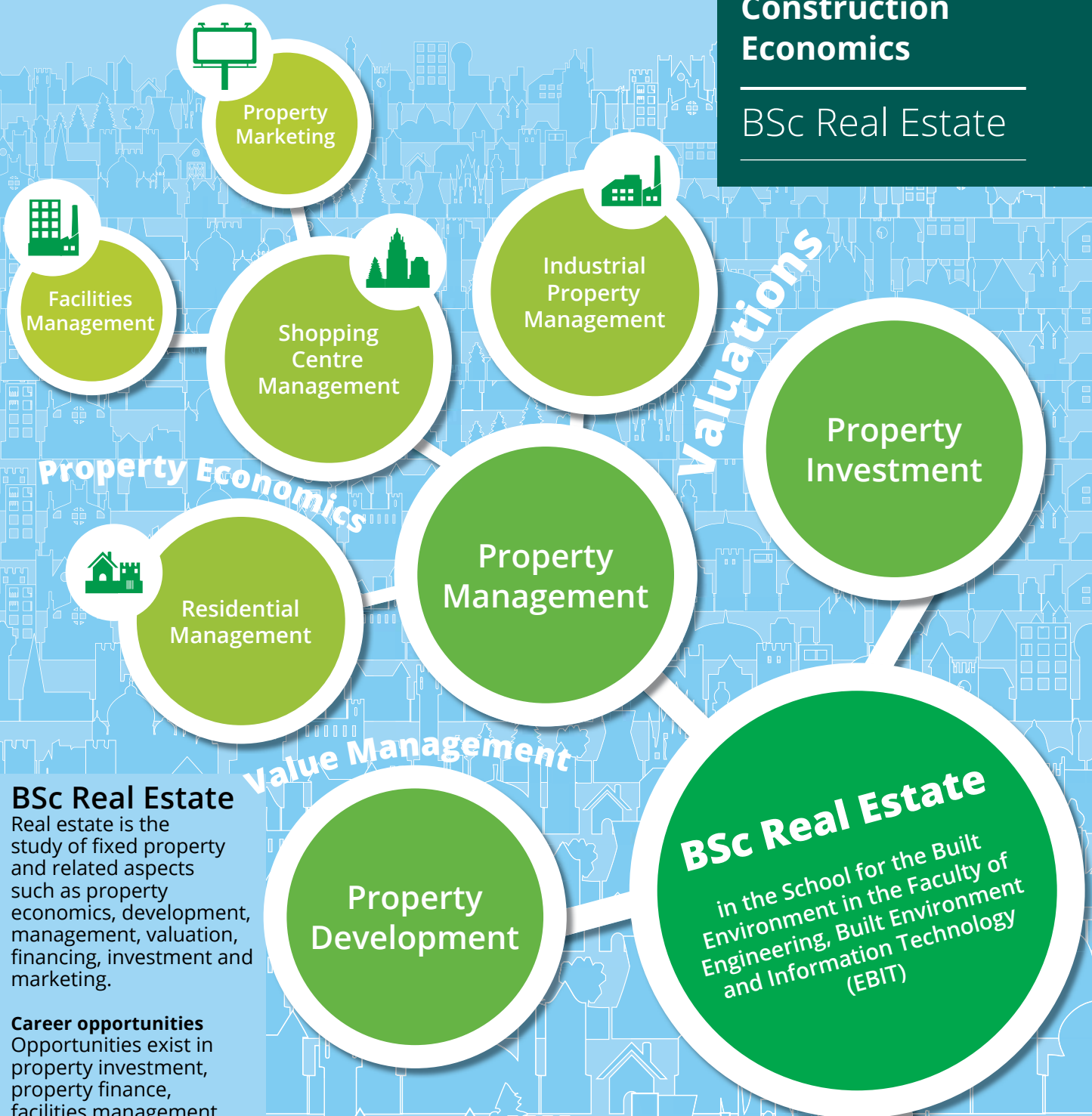


UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Faculty of Engineering,
Built Environment and
Information Technology

Department of
Construction
Economics

BSc Real Estate



BSc Real Estate

Real estate is the study of fixed property and related aspects such as property economics, development, management, valuation, financing, investment and marketing.

Career opportunities

Opportunities exist in property investment, property finance, facilities management, property management and development. Further studies to obtain an honours degree in real estate can lead to registration as a professional property valuer.

For more information, contact Dr Michelle Burger
michelle.burger@up.ac.za or +27 (0)12 420 2576

Engineering, Built Environment and Information Technology

JCP students get it done

Community-based Project (JCP) is a compulsory module for all students of the Faculty of Engineering, Built Environment and Information Technology at the University of Pretoria. Students have to work at least 40 hours and reflect on their experiences afterwards. During 2014, 1 687 students were enrolled for the module and completed 556 different projects.



Jungle gym for Bob Mmola Drop-in Centre

Four chemical engineering students decided to build a jungle gym at Bob Mmola Drop-in Centre in the community of Rebone in Limpopo for their JCP project. The centre needed after-school activities for disadvantaged and vulnerable children. The students, Jané Peens, Unali Hall, Carina Vorster and Frances Seeliger, reflected that the project was a great learning experience for all group members in terms of developing certain skills and applying them in a realistic working environment. The group also felt proud of the project and enjoyed the opportunity to give back to a community.

Left: The team on the jungle gym they built
Back (from left): Carina Vorster and Frances Seeliger
Front (from left): Jané Peens and Unali Hall



Borehole fence for the Vingerkraal community

For their JCP project, four quantity surveying students and a real estate student built a fence around the Vingerkraal community's borehole in Mabula, Limpopo. After meeting the community's elders, they decided that a fence around the borehole was necessary for safety. The students, Jandré van den Berg, Tanya Holtzkamp, Coenraad van Wyk, Tiaan Gunter and Etienne van de Venter said that the project gave them the opportunity to apply theoretical knowledge in a real-life situation. They also had the opportunity to interact with a culture different to their own.

Left: The students at the fence they built around the borehole

Become the kind of leader that people would follow voluntarily; even if you had no title or position.

– Brian Tracy

Engineering, Built Environment and Information Technology



Computer repairing project at Pretoria Secondary School

A group of computer engineering students, Thomas Stewart, Matthew Perry, Alex Amaral, Kent Smith and JCP Strydom repaired computers at Pretoria Secondary School. The main computer centre needed attention because many computers were faulty and needed hardware and software upgrades. Some of the computers also had severe computer virus infections. The network that connected the computers to the internet was also broken. The students realised how fortunate they are to have access to state-of-the-art education facilities. The project gave them the opportunity to use their skills to help others.

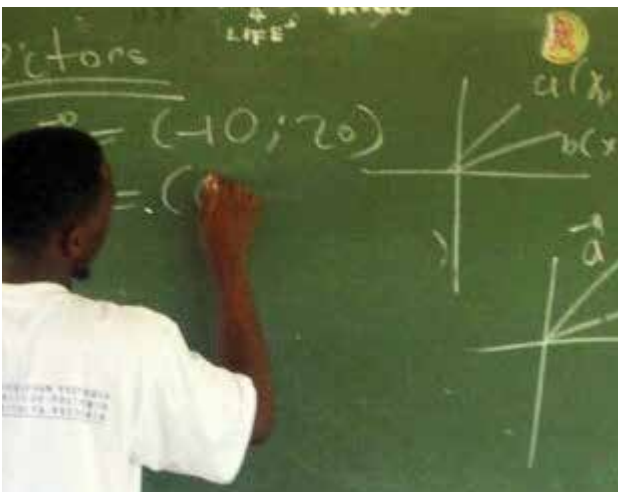
Left: The computer doctors at work



New tiles for Sun Sparrows Nursery School

For their project, a group of engineering students assisted a nursery school in Sunnyside. The students, Ntwanano Mohlal, Rolayo Olukunle, Thabo Mathabatha, Nkosinathi Mnisi, Lorato Maselela, Alpheus Mphaphuli, Mthabisi Adriano Nyathi, Solly Mathibela, Lebohang Mokoena, Emmanuel Ochieng and Mary Moja, removed broken tiles and replaced them with new tiles. They also revarnished the wooden floor in two rooms.

Left: The team learnt new skills like working in a team, tiling and problem-solving during the project



Tutoring Mathematics at Tiisetso Secondary School

Four engineering students, Muzi Dlamini, Dimitri Vers, Gontse Mathibela and Thato Mojela, assisted the Grade 11 learners of Tiisetso Secondary School on the outskirts of Ekurhuleni with Mathematics. These students also decided to repair the learners' desks. The students reflected afterwards that it was enriching to help someone who really wanted to learn and that it changed many children's lives.

Left: Tutoring children who really want to learn is an enriching experience

DON'T MISS OUT: 2015 EBIT Week 2

The second EBIT Week is scheduled for **5 to 8 July 2015**
(Engineering Week 2 and Information Technology Week)

Contact details: www.up.ac.za/ebitweek or 012 420 2482/3801

Health Sciences

Spotlight on Physiotherapy and Occupational Therapy

Becoming a health care professional does not mean that you can only study medicine. The Faculty of Health Sciences at the University of Pretoria offers a wide variety of well-structured, accredited health care degrees. Two of these are Physiotherapy and Occupational Therapy.



Mr Muhammad Dawood
Department of
Physiotherapy

Physiotherapy

Physiotherapy focuses on restoring or promoting someone's normal physical functioning. A physiotherapist does this in many ways and all of these are dealt with in the course. Physiotherapy students are exposed to a wide variety of patients and can make a significant contribution to their lives with the skills that they learn. Tuks physiotherapists are in demand in all sectors of health care.

What does the course entail?

Physiotherapy is a supplementary health care profession. Students are trained in exercise therapy, electrotherapy, massage, mobilisation and education. Exercise therapy includes specialised techniques to strengthen muscles and mobilise stiff joints. Electrotherapy is used to alleviate pain and to increase blood supply to the pathological processes in the body. Soft tissue like muscles, skin and scars are mobilised during massage to alleviate pain and muscular spasms, reduce swelling, improve circulation and soften scar tissue.

What does the course entail?

The Physiotherapy course takes four years to complete. Students get theoretical, practical and clinical training in basic and medical sciences, and physiotherapy. Much time is also spent on teaching patients and those who care for them in Hammanskraal, Mamelodi, Daspoort and Eersterust, old-age homes in Pretoria, and the Sports Centre at the University of Pretoria. An example of this is teaching adults and children good posture to prevent conditions like back pain and weak back and abdominal muscles. Patients are also taught to monitor their own health and to be physically active. After four years of study, physiotherapy students must do a compulsory community year.

What can I do with my degree?

Employment opportunities for physiotherapists are available in hospitals, schools for children with special needs, as well as mining and industrial clinics and hospitals. Physiotherapists are needed in the highest levels of sports teams, such as the Proteas and the Springboks. Opportunities also exist in private practice, the SA National Defence Force, homes for the aged, local government bodies (in municipal clinics) and sport centres.



Ms Maretha Bekker
Department of
Occupational
Therapy

Occupational Therapy

Occupational therapists treat people with physical and mental conditions and/or disabilities by encouraging them to participate in everyday activities. They aim to develop patients' remaining abilities to enable them to lead a meaningful and independent life, which gives them hope. The occupational therapist uses specific techniques and procedures in a scientific manner and finds ways to make their patients' lives easier. Occupational therapy is also applied to persons with developmental delays, learning disabilities, psychosocial dysfunctions or physical conditions.

Occupational therapy is a stimulating career that offers many challenges. Occupational therapists have to be adaptable, intelligent and practical, with good problem-solving and management skills. A successful occupational therapist is good with people and can approach different situations in a creative way. Qualified occupational therapists are registered with the Health Professions Council of South Africa (HPCSA).

What does the course entail?

The Occupational Therapy degree at the University of Pretoria is an integrated course of human and natural sciences. When learning occupational therapy for different conditions, the basic subjects of anatomy, physiology and psychology are applied. The course is offered alongside problem-based teaching methods. This method of training helps students improve their confidence and independence.

The course runs over four years of full-time study. It is designed to allow students to actively participate and learn.

Students are placed in various institutions, such as clinics, community centres, as well as government and private institutions, for their fieldwork.

What can I do with my degree?

Occupational therapists can be employed in physical and psychiatric hospitals, schools, homes for the aged, welfare organisations, municipal clinics and community organisations. There are also jobs with insurance companies and in private practice.

Health Sciences



Admission requirements

Physiotherapy

Subject	Achievement level	APS
English	4 (50–59%)	30
Mathematics	4 (50–59%)	
Physical Science	5 (60–69%)	

Occupational Therapy

Subject	Achievement level	APS
English	4 (50–59%)	30
Mathematics	4 (50–59%)	
Physical Science	4 (50–59%)	

For selection purposes the sum of six subjects, including English, Mathematics and Physical Science, is calculated. Life Orientation is excluded when calculating the APS. Candidates are also required to write the National Benchmark Test (NBT) before 11 July 2015.

Research

Already at undergraduate level, physiotherapy and occupational therapy students become acquainted with research activities under the guidance of their lecturers. Research is essential for the development of these professions, and a protected research environment at undergraduate and postgraduate level enjoys a high priority in these departments.

Selection

Applications close on 31 May 2015.
Selection takes place before admission

to the course. You will be notified in writing of the outcome of the provisional selection during September.

Where can I get more information?

Mr Muhammad Dawood

Department of Physiotherapy

Tel +27 (0)12 354 2023/1363

Email muhammad.dawood@up.ac.za

Ms Maretha Bekker

Department of Occupational Therapy

Tel +27 (0)12 354 1326/1374

Email maretha.bekker@up.ac.za



Law

Faculty of Law

What's the
difference?
3
options

The University of Pretoria offers three possible qualifications to join the legal field: **BA (Law)**, **BCom (Law)** and the four-year **LLB** degree. A four-year **LLB** degree (and preferably also admission as an attorney or advocate, irrespective of whether you wish to practice one day as an attorney or advocate) is the minimum requirement to secure professional employment and advance in the workplace. If you choose the **BA (Law)** **LLB** or **BCom (Law)** **LLB** route, you can obtain two degrees in five years.



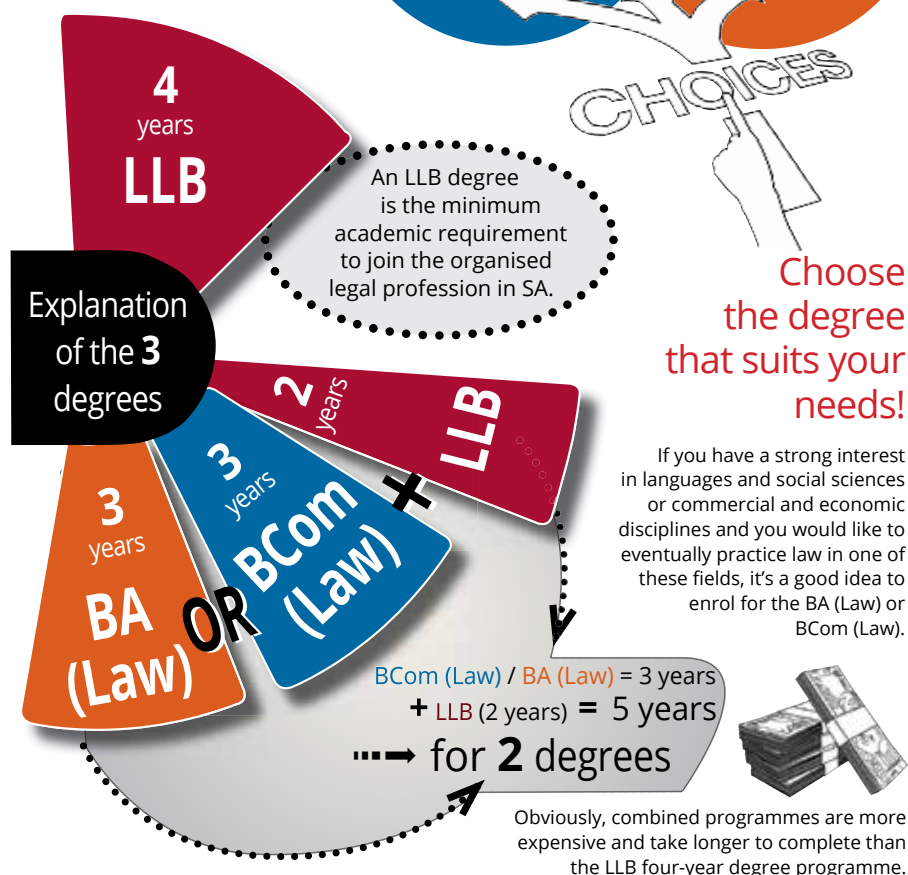
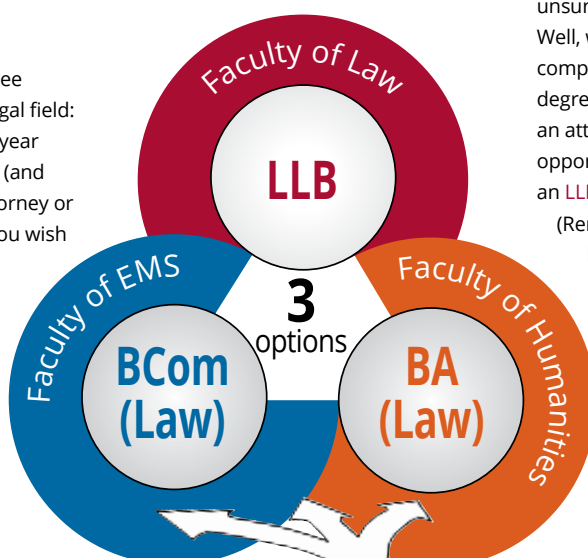
How to choose between a BA (Law), BCom (Law) and straightforward four-year LLB degree?

Many prospective law students are unsure which degree option to pursue. Well, wonder no more! Here you'll find a comprehensive explanation of the three degree routes, eventual admission as an attorney or advocate and the career opportunities in the legal profession with an **LLB** degree behind your name.

(Remember that your career options will be limited if you don't proceed with an **LLB** after completing your **BA (Law)** or **BCom (Law)** degree.)

Have a look and see which one suits you best!

Choices, choices, choices!
So which law degree do you choose?
It all depends on your aptitude and personal circumstances.



Admission requirements

Faculty of Law

LLB

APS = 32
English/Afrikaans 5 (60–69%)

Faculty of EMS

BCom (Law)

APS = 32
English/Afrikaans 5 (60–69%)
Full Mathematics 5 (60–69%)

Faculty of Humanities

BA (Law)

APS = 30
English/Afrikaans 5 (60–69%)

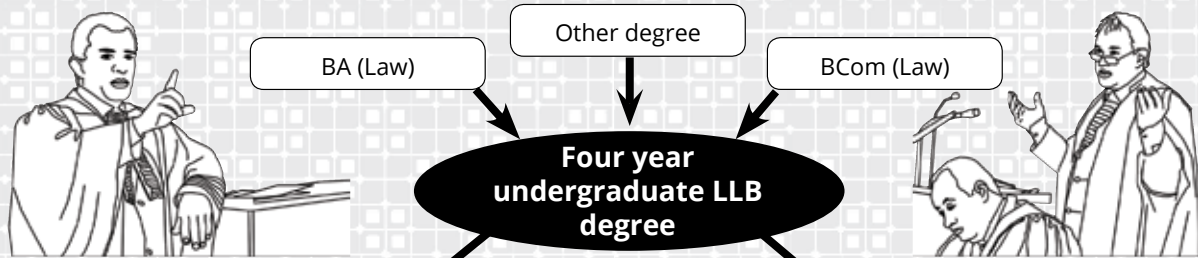
If you would like more information – such as minimum requirements and career opportunities – do visit the various faculties' websites:

Faculty of Law:
www.up.ac.za/law

Faculty of EMS:
www.up.ac.za/ems

Faculty of Humanities:
www.up.ac.za/hum

A broad outline of the **Attorneys'** profession versus the **Advocates'** profession



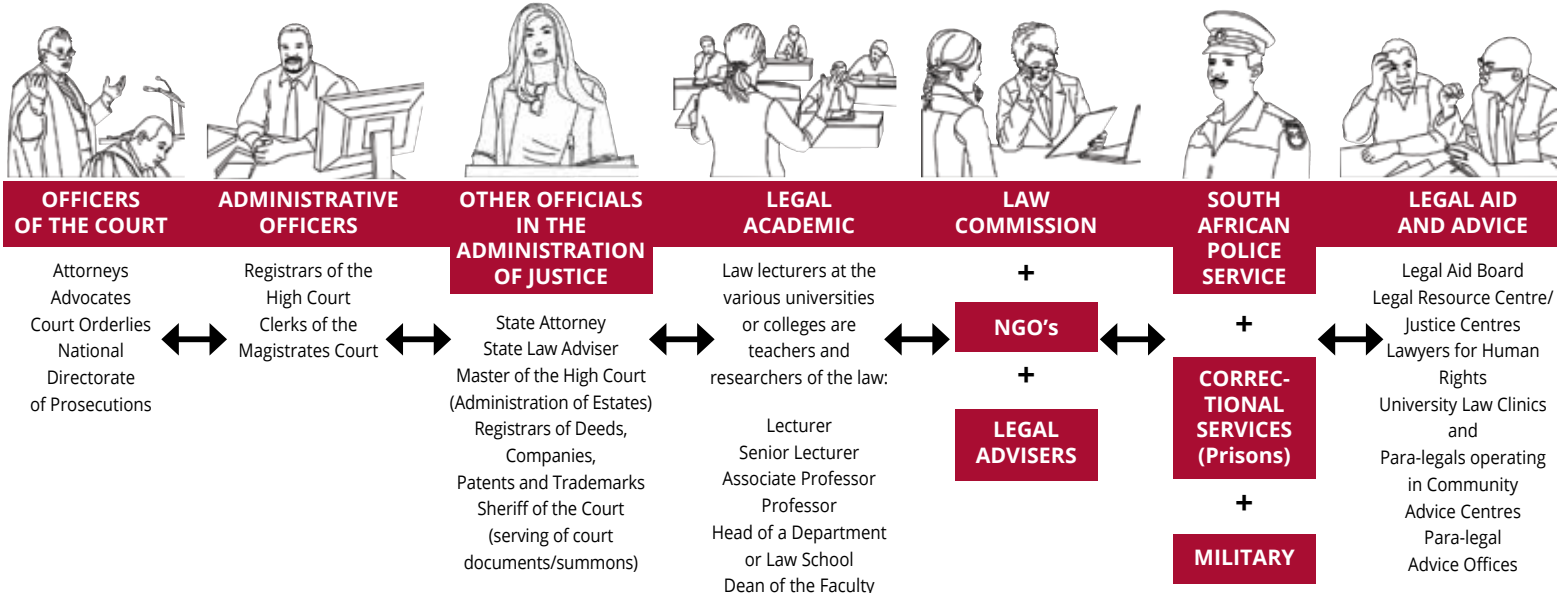
Articles of clerkship:
± salary range:
R4 000 to R28 000 p/m

Pupillage:
No salary

**The Law Society of South Africa brings together its six constituent members – the Cape Law Society, the KwaZulu-Natal Law Society, the Law Society of the Free State, the Law Society of the Northern Provinces, the Black Lawyers Association and the National Association of Democratic Lawyers.*

(This document reflects the current situation [03/2015] and excludes the Legal Practice Act, 28 of 2014).

Career opportunities in the **LEGAL** profession (with at least an LLB Degree)



Economic and Management Sciences

More than just excellent academic training

The Faculty of Economic and Management Sciences consists of the following eight departments: Accounting, Auditing, Taxation, Financial Management, Economics, Marketing Management, (including Tourism Management), Human Resource Management and Business Management (including Communication Management), as well as the School for Public Management and Administration. Jointly, these departments present 21 excellent undergraduate and approximately 125 postgraduate study programmes.

Why should you study BCom at the University of Pretoria?

- The Faculty's chartered accountancy (CA) study programme is recognised as a programme with top performance nationally. The BCom (Accounting Sciences) degree is an accredited study programme that forms part of the training of Chartered Accountants of South Africa (CA(SA)) and auditors. The CA(SA) and auditor qualifications are the highest professional qualifications in accounting in South Africa and are internationally recognised.
- Several programmes enjoy international accreditation. The CFA Institute®, a global association of investment professionals, appointed the University of Pretoria as an undergraduate educational partner and the BComHons (Internal Auditing) study programme is a registered internal audit study programme at the Institute of Internal Auditors in South Africa (IIA) in the USA.
- The Supply Chain Management programmes are accredited by the European Certification Board for Logistics (ECBL) which monitors quality for the European Logistics Association (ELA).
- The Faculty offers mentoring programmes and the strong support makes a difference in students' academic performance.

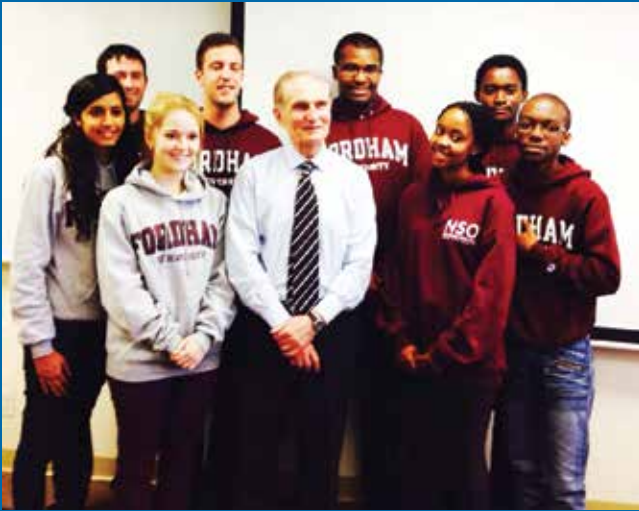
Die Fakulteit Ekonomiese en Bestuurswetenskappe fokus op akademiese uitnemendheid, maar wil ook graag meer as net boekekenis aan studente bied. Deur internasionale uitruilprogramme, die innoverende gebruik van tegnologie, gemeenskapsdiensprojekte en 'n aktiewe studente-lewe, ontwikkel die Fakulteit se studente in suksesvolle, kreatiewe en innoverende denkers.

Die nuutste neiging

Die Departement Ondernemingsbestuur maak leer nou so maklik soos die druk van 'n knoppie deur tegnologie met konvensionele onderrig- en leermetodes te integreer. Die Departement se samewerking met Google Suid-Afrika het gelei tot die ontwikkeling van die opvoedkundige toepassing Google Classroom. Die bekende kenmerke van sosiale media maak dit maklik om te gebruik en stel studente nou in staat om hul "klaskamers in hul sakke te dra".



Economic and Management Sciences



Off to New York!

Eight students of the Department of Economics were invited to attend a six-week Summer Study Tour in Emerging Markets and Country Risk Analysis at the Fordham University in New York.

They interacted with faculty members and visited several New York investment houses, major banks, as well as the Federal Reserve Bank of New York. This is an annual event in which UP students visit Fordham and Fordham students visit UP.

Hoekom moet jy BCom aan die Universiteit van Pretoria studeer?

- Die Fakulteit se studieprogram vir die opleiding van geoktrooieerde rekenmeesters (CA's) word nasionaal erken as 'n program met topprestasie. Die BCom (Rekeningkundige Wetenskappe)-graad is 'n geakkrediteerde studieprogram wat deel vorm van die opleiding van Geoktrooieerde Rekenmeesters van Suid-Afrika (CA(SA)) en ouditeurs. Die CA(SA)-en ouditeurskwalifikasies is die hoogste professionele kwalifikasies in rekeningkunde in Suid-Afrika en word internasionaal erken.
- Verskeie programme het internasionale akkreditasie. Die CFA Institute®, 'n wêreldwye vereniging vir beleggingspraktisyns, het die Universiteit van Pretoria aangestel as 'n voorgraadse onderrigvennoot, en die BComHons (Interne Ouditkunde)-graad is 'n geregistreerde studieprogram in interne ouditkunde van die Instituut vir Interne Ouditeurs (IIA) in die VSA.
- Die programme in Voorsienings-kettingbestuur is deur die Europese Sertifiseringsraad vir Logistiek (ECBL), wat kwaliteit vir die Europese Logistiekvereniging (ELA) monitor, geakkrediteer.
- Die Fakulteit bied mentor-programme en dié sterk ondersteuning maak 'n verskil aan studente se akademiese prestasie.

The meaning of caring

The Department of Marketing Management decided to make every day a Mandela Day by dedicating a full semester to a community engagement project with the Phyllis Roberson Home, a care facility for adults with disabilities in Pretoria.

The project formed part of their formal curriculum and the students had to develop and implement a fundraising strategy for the Phyllis Roberson Home. They shared their marketing knowledge to raise funds and awareness for the Home. Activities included soccer tournaments, radio interviews and singing competitions. Goods and services to the value of R166 541 were collected. The students who participated in this project agreed that it was a priceless learning experience.

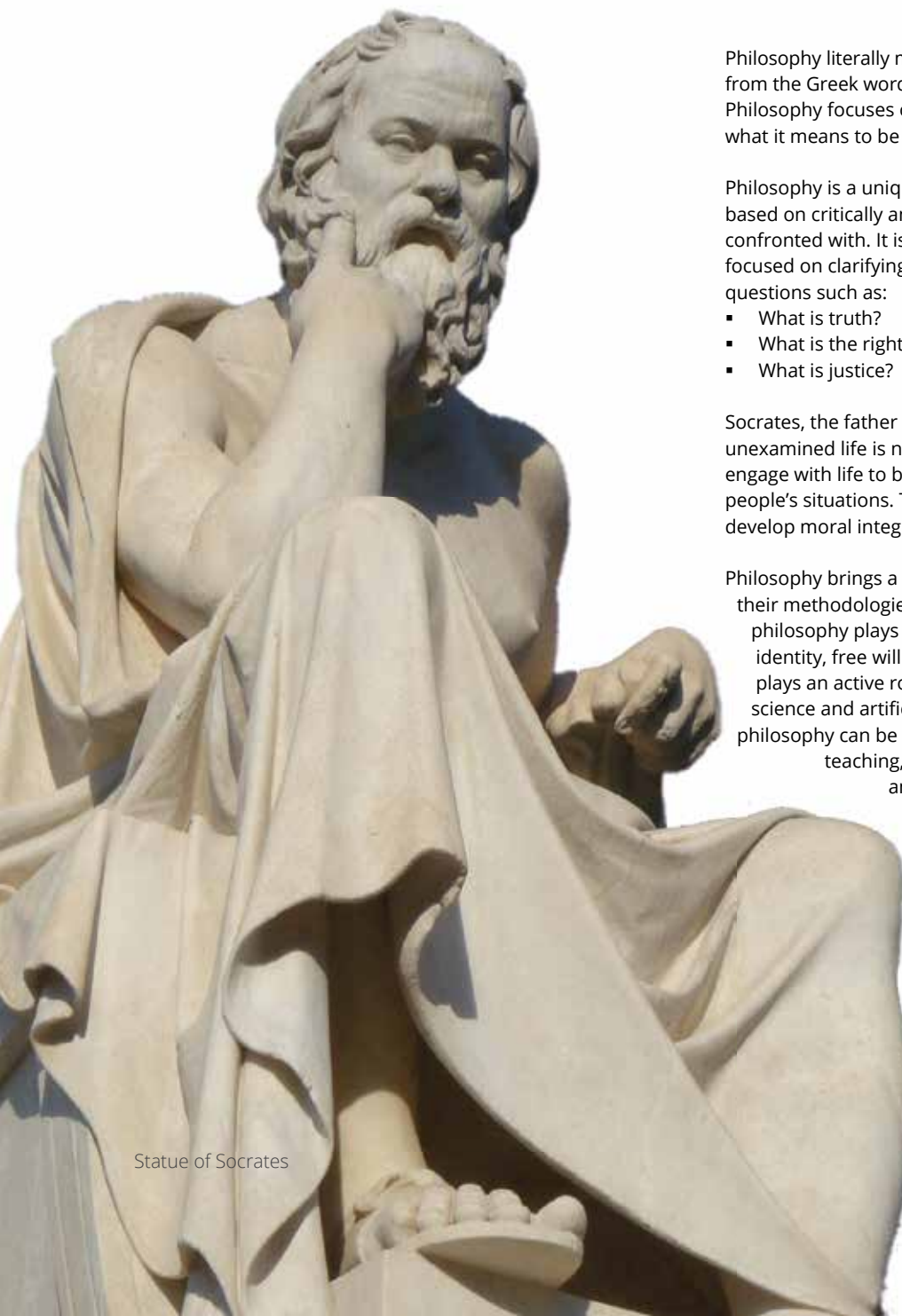


Humanities

What's the deal with philosophy?

Prof Emma B Ruttkamp-Bloem

Have you ever wondered what exactly philosophy is? Philosophy is the oldest discipline in the world and it is said that Indian philosophy has been around for 5 000 years, while Chinese philosophy is at least 3 000 years old. In the West, philosophy began around 2 500 years ago.



Statue of Socrates

Philosophy literally means “love of wisdom”. It is translated from the Greek words *philein* (“to love”) and *sophiai* (“wisdom”). Philosophy focuses on the human condition and considers what it means to be human.

Philosophy is a unique kind of abstract thinking, which is based on critically analysing information or a situation one is confronted with. It is the responsible analysis of arguments focused on clarifying the issue at hand. Philosophy asks questions such as:

- What is truth?
- What is the right thing to do?
- What is justice?

Socrates, the father of Western philosophy, said that “the unexamined life is not worth living”. Therefore, philosophers engage with life to better understand their own and other people’s situations. The goal of examining one’s life is to develop moral integrity, which is a personal activity.

Philosophy brings a critical approach to all sciences and their methodologies. In the neurosciences, for instance, philosophy plays a role in terms of debates on personal identity, free will and moral decision-making. Philosophy plays an active role in law, politics, economics, computer science and artificial intelligence. Other disciplines in which philosophy can be applied beneficially include engineering, teaching, civil service, IT, academia, public relations and journalism.

Philosophy opens your mind by educating you to fearlessly question your beliefs, to challenge arguments, to construct your own arguments and to learn about yourself and others and the complexity and moral challenges of the world. This does not mean that the person with the best argument wins. Philosophy teaches one to think differently – because autonomous thinking, argument analysis, and the ability to responsibly investigate and critique arguments are very useful skills.

Humanities

Innovative app, hearScreen™, rocks the boat

Innovation means growth. At the University of Pretoria, innovation is a major focus of its research activities.



A new smartphone application that was developed at UP, hearScreen™, shows exactly why new ideas can change lives. Learning to use their senses and hear the things around them are important for all learners. Without these skills, the development of speech and language can be delayed.

Prof De Wet Swanepoel of the Department of Speech-Language Pathology and Audiology in the Faculty of Humanities and Dr Herman Myburgh of the Department of Electrical, Electronic and Computer Engineering in the Faculty of Engineering, Built Environment and Information Technology have developed an application called hearScreen™ to simplify hearing screening. The application converts a smartphone into a screening device, which tests people's ability to detect sound.

The application offers a hearing screening on Android smartphones that can be used with off-the-shelf headphones to people who were previously unable to access hearing health. The screening takes only a minute.

The data can be uploaded via the mobile phone network to a cloud-based server for evaluation and recommendations.

Prof De Wet Swanpoel
Department of Speech-Language Pathology and Audiology

Tel +27 (0)12 420 4280
Email Dewet.swanepoel@up.ac.za
Website www.hearscreen.co.za and www.facebook.com/hearScreen

Teologie

Voel tuis by die Fakulteit Teologie

Dr Maniraj Sukdaven

- Al ooit oor die wêreld en die skepping gewonder?
- Wonder jy soms wat jou doel hier op aarde is?
- Maak die betekenis van 'n vol lewe jou nuuskierig?
- Vra jy jousef soms af hoekom God dinge soos pyn, lyding en armoede toelaat?

As hierdie en ander vrae jou soms kwel, dan is die Fakulteit Teologie by die Universiteit van Pretoria vir jou!

Die Fakulteit Teologie bied jou die vaardighede wat jy benodig om sommige van die lewe se moeilikste kwessies in die samelewing, klaskamer, raadsaal en kerk te kan bestudeer. Dit sal jou intellektueel en geestelik toerus terwyl jy poog om die meeste uit die lewe te put. 'n Studieprogram in Teologie sal jou ook help om jou begrip van die tekste in die Bybel te verdiep. Dit sal jou leer hoe om sendingwerk te doen, om 'n vergenoegde geestelike lewe in 'n materialistiese wêreld te lei en om God, sowel as mense, te dien.

Die Fakulteit Teologie bestaan uit 'n groep energieke en diep kritiese denkers wat jou sal inspireer en aanmoedig om jou beste te gee en jou potensiaal te ontsluit om die wêreld 'n beter plek te maak. Gaan saam met ons op 'n reis vol opwinding, avonture en akademie waartydens ons nuwe skatte van teologie en geloof ontdek.

Kontak Me Maleshoane Mofokeng
Tel +27 (0)12 420 6707
E-pos maleshoane.mofokeng@up.ac.za

'n Leier bring sy mense van waar hulle is tot waar hulle wil wees.

– H Kissinger



Leiers word nie
prominent deur hul
vaardighede nie, maar
deur hul vermoë om
ander te bemagtig.

– John Maxwell



Education

A bright and exciting career in teaching

Annalize Brynard

Choosing a career as an educator can truly be one of the most fulfilling choices you can make. Students of the Faculty of Education at the University of Pretoria are confident leaders who are equipped with a terrific set of educational and professional skills.



**Prof Irma Eloff, Dean
of the Faculty of Education**

“The Faculty of Education attracts the best and brightest students who have the potential to exercise a significant influence on the South African educational landscape”

– Prof Irma Eloff

Their skills set is, however, not their most important attribute as graduates of the Faculty of Education. Their inclination towards critical scholarship, subject expertise, fully engaged citizenship and high scientific literacy are the attributes that will enable them to make a difference in education.

The University's Groenkloof Campus is home to more than 3 500 undergraduate education students and, from this group approximately 500 to 800 students annually enter the profession.

Education is a meaningful career and is the shortest route to long-term success for any nation, community, family or individual. As a professional field, it is one of those treasured sectors in which one can influence the future on a daily basis. Education also has the ability to span all scientific fields known in the world.

Education is the one sector that will make an impression on the lives of future doctors, engineers, accountants, lawyers, educators, philosophers, artists, musicians, sport heroes, politicians and royalty. This means that educators have to seek excellence in everything they do.

“We believe that, as a Faculty, we have much to offer in order to strengthen education in this country, to facilitate access to education for students and to deliver inspirational, caring and expert teachers,” says Prof Irma Eloff, Dean of the Faculty of Education.

Undergraduate academic programmes

- **BEd (Early Childhood Development and Foundation Phase) – Pre-primary to Grade 3.** This is a four-year programme. Students with this qualification can become teachers and training officials in pre-primary or primary schools.
- **BEd (Intermediate Phase) – Grades 4 to 6.** This is a four-year programme. Students with this qualification can become teachers and officials in primary schools.
- **BEd (Senior Phase) – Grades 7 to 9.** This is a four-year programme. Students with this qualification can become teachers and training officials in primary or secondary schools.
- **BEd (FET) – Grades 10 to 12. Presented as the following packages:**
 - General
 - Human Movement Sciences and Sport Management
 - Economic and Management Sciences
 - Natural Sciences

Contact persons

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melinda.joubert@up.ac.za

Ms Thandi Mngomezulu at
thandi.mngomezulu@up.ac.za



A leader is one
who knows the way,
goes the way,
and shows the way.

– John Maxwell



Veterinary Science

It is never too late to pursue your dreams



A remarkable woman embarked on an unforgettable journey in 2012. Debbie Conradie started studying Veterinary Nursing in 2012 at the age of 51 and qualified as a veterinary nurse at the end of 2014.

Debbie grew up in the Eastern Cape and always had a passion for animals. Sadly, her marks were not high enough for her to study veterinary science, so she studied something else and was happy at the time.

However, she never lost her passion for animals and she often wondered what her life would have been like if she could have applied for the Veterinary Science degree.

She became a stay-at-home mom. Her life revolved around fulfilling the needs of others. She completed a few animal behaviour courses to stimulate her mind, but eventually applied for a job at a veterinary practice and immediately rediscovered her passion for animals.

At that stage, her children were still teenagers. Applying for the Veterinary Nursing Diploma in the Faculty of Veterinary Science at that stage would have meant leaving home for two years. So, she put her plans on hold. A few years later, she experienced a traumatic divorce and her children were ready to leave home. This meant that she could leave Cape Town with money that she had inherited from her mother. Her circumstances and passion gave her the opportunity to pursue her dream.

At first, she was nervous to apply for the Diploma in Veterinary Nursing study programme because of her age, but she found that the other students were very accepting.

For Debbie, Physiology, which explains how the various components of an animal's body work, was the highlight of the study programme. Anatomy was another subject she enjoyed. In class, the students dissected a dog down to its nerves and blood vessels.

She always found it satisfying to work with cattle and horses, but admits that this challenging academic programme was such an enriching experience in itself. Working in the Onderstepoort Veterinary Academic Hospital (OVAH) was a dream come true.

If Debbie could choose a dream job, she would choose to work with a travelling veterinarian in Africa or overseas.

If you are considering veterinary nursing as a career, Debbie recommends that you have a passion for animals, sensitivity towards them and their owners, and a lot of patience. Like Debbie, you should also be interested in biology and veterinary medicine. She says, "I cannot think of a more rewarding career!"

Leadership is the willingness to accept responsibility for results.

– Brian Tracy

Veterinary Science

Like a fish in water

Justin Grace, a veterinary science student at UP's Faculty of Veterinary Science, has always loved animals. He loves them so much he even volunteered at a zoo. At first, he wanted to be a zookeeper, but when a gorilla he was looking after died from a severe infection, he realised he wanted to become a veterinarian. JuniorTukkie asked him about his experiences as a veterinary science student.



What is it like to study veterinary science?

Studying veterinary science at the University of Pretoria is a life-changing experience. Veterinary science is a long and difficult study programme, but it is exciting and fulfills me.

Knowing that my training allows me to work with many different animal species makes me happy. I am currently doing research on marine animals. We do not receive training on these animals at Onderstepoort, so much of my reading is self-study.

Why are you interested in marine animals?

My cousin wanted to study marine biology at the University of Cape Town

(UCT) and I became intrigued by the notion of marine veterinary science. In order to work with marine animals and pursue my research interests, I became involved with veterinarians at uShaka Marine World in Durban. The mentorship of Dr Francois Lampen, Dr Caryl Knox and Dr Mark R Penning (Director of Disney Animal Kingdom) was extremely valuable. I dream of becoming one of the best marine veterinarians in the world.

Tell us more about your uShaka Marine World experience

During November and December 2014, I spent a few unforgettable weeks at uShaka Marine World. I worked on seals, dolphins, reptiles, fish, sharks, stingrays, seahorses and birds. In South Africa,

marine veterinary science is an emerging field, so the veterinarians at uShaka Marine World do a lot of research.

My dream job

My dream is to work around the world treating different animal species. But first, I want to work at a Disney Animal Kingdom.

What is your message to prospective students?

Work hard and get good grades at school because veterinary science is a tough study programme. Get as much exposure as you can and do not be afraid to volunteer. Find mentors because they make a difference. Do not let anyone tell you that you cannot make it. If you can dream it you can achieve it.

Veterinary Science

Showcasing rewarding careers

The Faculty of Veterinary Science at the University of Pretoria hosted its annual Open Day on the Onderstepoort Campus on Friday, 13 March 2015.

More than 400 learners from primary and secondary schools from all over the country attended the event with great anticipation to learn more about this unique discipline.

During the Open Day, the learners were informed about the role of a veterinarian and possible career opportunities. Several students shared their experiences of the study programmes and excellent presentations indicated the wide range of specialities available in the different departments at the Faculty.

Themba Mnisi, who is studying Veterinary Science, emphasised the importance of a veterinarian in the production animal discipline. In this discipline, veterinarians have to ensure that animal products, such as meat or milk, are fit for human consumption.

Justin Grace, a fifth-year Veterinary Science student, is interested in marine veterinary science, and he told the learners about his involvement at uShaka Marine World in Durban. He gave a fascinating talk about his research on seals and dolphins. Read more about him on page 40.

The Faculty hopes that, by creating awareness about Veterinary Science, Pathology and Nursing as rewarding careers, learners will be encouraged to make wise subject choices in Grade 10 and work hard to meet the minimum requirements for these study programmes.

Thato sets his sights on veterinary science

Thato Maile is a Grade 6 learner from Soshanguve and is a pupil at the Fred Margarde Primary School. He attended the Faculty's Open Day because he loves animals, particularly dogs. The 10-year-old Thato's name means "love" in Setswana. He enjoys observing and handling pet dogs in order to see their behavioural patterns.

According to his parents, Cynthia and Samuel Maile, he already has an extensive knowledge of various animals and has been avidly learning about them since the age of two.

He is an aspiring veterinarian and was thrilled to experience an inspiring environment with such advanced facilities. He particularly loved the beagle area and was ecstatic when he was greeted by so many beagles. If his enthusiasm is any indication, he will definitely be seen on this campus one day.



Some of the more than 400 learners from primary and secondary schools that attended the event enjoyed the various exhibitions



Thato Maile (middle), pictured with his mother, Cynthia (right), and Rirhandzu Golele (left), has set his sights on becoming a veterinarian

Veterinary Science

A vet for the weekend

Exposing learners to the ins and outs of veterinary careers at an early age can help them prepare for study programmes at the University of Pretoria's Faculty of Veterinary Science. The Onderstepoort Veterinary Student Council (OPVSC) presented the fifth annual "I want to be a vet" weekend from 13 to 14 March 2015.

Some 40 learners from previously disadvantaged schools across all nine provinces in South Africa attended the weekend.

The Dean of the Faculty, Prof Darrell Abernethy, warmly welcomed the learners. Prof Linda van Ryneveld, Director: Teaching and Learning, also addressed the learners and stressed how important it is to apply for study programmes long before the closing date. She also emphasised the importance of writing the National Benchmark Test (NBT).

On Saturday, 14 March, the prospective students donned overalls and gumboots and got their first taste of basic animal-handling skills.

They groomed horses, learnt to identify sheep and were shown how to approach cattle without injuring themselves or the animals. The learners had lots of fun during the puppy training and dog behaviour sessions, which were led by Dr Quixi Sonntag, a specialist in behavioural studies from the Onderstepoort Veterinary Animal Hospital (OVAH).

The purpose of this initiative is to stimulate an interest in prospective students, especially those from previously disadvantaged groups, and to promote the veterinary science profession. The support of the weekend's sponsors, Hills Pet South Africa and Hollard Life, made a positive contribution to the success of this event.



Excited learners get hands-on experience



Interested in Vet Science? Then you MUST check out these amazing videos about the Faculty.

Day in the life of a vet student

<https://www.youtube.com/watch?v=wuu3xFRPQR4&feature=youtu.be>

Faculty of Veterinary Science in a nutshell

<https://www.youtube.com/watch?v=SPNGxZ3Intg&feature=youtu.be>

You can search for these interesting videos by typing these links into your web browser.

Natural and Agricultural Sciences

Career and Bursary Fair supports food security in South Africa

Marianne van der Laarse and Martie Meyer

Food security is currently on the centre-stage nationally and internationally, but there is a dire need to develop capacity in this new field of expertise. For a young learner, this is the perfect opportunity to find out more about exciting careers in the field of natural and agricultural sciences; a career that will not only blow your mind, but also make a real difference in the world.

What does it mean?

Agri-Food Career Fair = **Exciting careers + Food security** 

An event like the upcoming Agri-Food Career Fair at the University of Pretoria on 21 and 22 May 2015, where the agricultural industry will be showcased to young people, will not only promote exciting career opportunities in the agricultural and food supply chain, but will also contribute towards food security.

Why is the Career Fair important?

Problem: A world struggling to feed itself

Solution: Innovative young people in the agriculture industry

According to the Minister of Science and Technology, Naledi Pandor: "We as humans place enormous demands on our planet's limited resources, particularly food and water. Without clean water, people can survive for only a few days. We can survive longer without food, but some people constantly battle to find enough food, which means that their human potential can never be fully realised. This is how over a billion people in the world today exist, including many South Africans."

+

Not enough young people enter the horticultural or agricultural industry.

Companies and organisations will therefore have the opportunity to showcase their products, services and career opportunities, as well as their bursary and internship programmes at the Career Fair.

Who should attend?

Grade 11 learners ... we want you!

Some 1 200 top Grade 11 learners from 200 schools were invited to visit the Career Fair through the JuniorTukkie Club. They will attend a formal information session on the University of Pretoria, after which they will visit the Career Fair during specific time slots.



What was said about last year's fair?

At previous career fairs, students were exposed to a variety of career opportunities.

Johan du Plessis, Human Resources Manager of ZZ2, a large commercial farming operation, said:

"I was astonished to see how many students showed an interest in what we do. At ZZ2 we have opportunities across the supply chain; therefore, it was an eye-opener for us to speak to so many prospective students."

George Nefdt, Manager: Organisational Development at Pannar Seed, said:

"Our company's success at the Career Fair could be attributed to Pannar having qualified agriculturists manning the stands."

.....

The agriculturists' passion for agriculture, and their enthusiasm about the future convinced students and learners to consider a career in agriculture. Pannar Seed also uses the career fairs as a platform to introduce bursaries and internships to potential candidates.



High Performance Centre

Sport, science, knowledge

CEO: Mr Toby Sutcliffe

Have you ever wondered how athletes like AB de Villiers and Caster Semenya boost their performance? The High Performance Centre (hpc) at the University of Pretoria is the answer.



The hpc is southern Africa's first elite performance sports facility, which consistently produces phenomenal sporting results. The hpc has a well-known sports complex at the UP Sports Campus that supports its athletes through the TuksSport academies, which give athletes access to world-class training facilities, scientific expertise, accommodation, nutritional and scientific advice, thus giving athletes the opportunity to become formidable competitors.

Apart from their international acclaim as highly regarded athletes, AB de Villiers, Caster Semenya, Victor Matfield, Pierre Spies, Roland Schoeman and Faf du Plessis all have the University of Pretoria as a guiding force behind them.

The hpc delivered three of the six medals won at the 2012 Olympic Games in London. Matthew Brittain, Lawrence Ndlovu, John Smith and James Thompson won gold in the lightweight rowing event, Caster Semenya took home a silver medal in the women's 800 m event and canoer Bridgitte Hartley a bronze.

At the 2014 Commonwealth Games in Glasgow, hurdle athlete, Cornel Fredericks, and judo champion, Zack Piontek, each claimed a gold medal, while triathlete Kate Roberts took a silver and judoka Jacques van Zyl a bronze.

The hpc offers the following services:

- **Biokinetics and performance testing**
Biokinetics is not only for recovering from injury or surgery. It also rehabilitates medical conditions.
- **Biomechanics and performance analysis**
The biomechanics at the hpc uses video technology to establish movement foundation, identify weakness in technique, walking and running gait, and assess all aspects of performance.
- **Strength and conditioning**
The team assesses and determines muscle imbalances, as well as current strengths and weaknesses and work closely together with the physiotherapists in the treatment and rehab of these conditions.
- **Sports medicine**
Services include medical screening (a general medical assessment, a musculoskeletal assessment and a sport-specific assessment).

- **Nutrition/dietetics**
Dietetics experts look after each athlete's dietary requirements before, during and after competitive events.
- **Psychology**
Athletes also have access to sport psychology to help them with various skills on and off the field.

Contact information:

Tel +27 (0)12 362 9800

Email marketing@hpc.co.za

How can you become one of the top athletes in South Africa?

Choosing the High Performance Centre (hpc) is the first step in the right direction!

- **High school learners:** You could attend the TuksSport High School, which will give you education, training and competition all in one.

Once you are in the system, you have direct access to tertiary studies through the University of Pretoria and the TuksSport clubs.

Golden Key International Honour Society

A golden opportunity

Realising your potential could be the best thing that ever happens to you. Let the Golden Key International Honour Society show you how. Golden Key is an international non-profit organisation established in Atlanta, Georgia (USA). Founded in 1977 at the Georgia State University, it is the world's largest collegiate honour society. Golden Key is committed to a high standard of academic achievement, and an ethos of integrity, innovation, respect, collaboration and diversity.

Golden Key quick facts

Vision: Golden Key is the world's largest honour society. It recognises academic excellence and provides real value to its members, advisors and partners, while positively influencing lives and society.

Values: Integrity, collaboration, innovation, respect, diversity, excellence and engagement

Three Golden Key pillars: The three signature elements – academics, leadership and service – are integrated. Membership begins with the recognition of academic excellence, but the true benefit of membership is realising one's potential through leadership and service to the community.

Over the years, Golden Key has honoured two million students from 400 universities in eight countries (Australia, Canada, India, Malaysia, New Zealand, South Africa, The Bahamas and USA) for their academic achievements. It has granted over \$10 million dollars in scholarships and awards.

Membership is by invitation only. The top 15% of undergraduate and postgraduate academic achievers, across all fields of study, as identified by their respective universities, are invited to join.

For those of you who want to live a promising life, a chance to shape the world and a commitment to excellence, Golden Key shares your values and offers many possibilities to unlock your potential. Golden Key proudly offers the following:

- \$1 000 000 in scholarships annually
- Jobs and internships
- Programmes for studying abroad
- Leadership and achievement awards
- Networking opportunities

Joining Golden Key includes you in an admired legacy like no other, sharing your commitment to excellence.

Are you a leader?

If that is the case, personal and professional development is the key to unlocking your potential and Golden Key

can provide the tools you need to get there. The Training Library, for example, has tips and instructional videos to help improve your skills in the areas of leadership, goal setting and teamwork. National and international leadership positions are available to members.

Giving is an art

Golden Key's Serving, Preparing and Readyng Kids (SPARK-a-Change) service initiative challenges members globally to improve the lives of at-risk children between the ages of 0 and 17 through literacy, education and real-world preparedness. Join Golden Key in its aim to raise \$40 000, dedicate 400 000 hours of service and change 400 000 lives in communities locally and around the world by 2017. South African events range from organising a race to raise money for blankets, clothing drives and youth literacy initiatives.



For more information, please contact Golden Key South Africa's Director, Dorette Parsons.

Tel +27 (0)12 807 7120
Email dparsons@goldenkey.org
Website www.goldenkey.org.za
 and www.goldenkey.org

Koshuise

Nuwe koshuis vat vyf

Tuks Bophelong is 'n ruim, nuwe koshuis op die Universiteit van Pretoria se Prinshofkampus. Dit huisves eerstejaar- en senior studente van UP se Fakulteit Gesondheidswetenskappe.

Die koshuis het sy deure op 2 Januarie 2015 geopen en 300 studente kon in hul nuwe tuiste intrek. Hierdie moderne fasiliteit is 'n gemengde koshuis wat omring is deur genoegsame parking en dit is naby aan baie ander fasiliteite.

Ander koshuise wat studente van die Fakulteit Gesondheidswetenskappe huisves, is Huis Olympus (manskoshuis), Curlitzia (dameskoshuis) and Hippokrates (gemengde koshuis).

'n Formele Huiskomiteestruktuur bestuur TuksBophelong en die koshuis sal deelneem aan die studente-aktiwiteite wat deur Studentekultuur (STUKU), TuksJool (Reik uit en Gee) en TuksSport aangebied word.

Indien jy graag meer inligting oor die nuwe koshuis of 'n toer van die fasiliteite wil hê, kontak tuksres.placement@up.ac.za.



'n Leier is 'n verskaffer
van hoop.

– Napoleon Bonaparte



Living together in harmony

Another new mixed residence at the University of Pretoria – Hatfield Studios – is currently the largest residence and accommodates 960 students.

It is a fresh take on student accommodation and its management aims to provide a comfortable atmosphere where students can live together in harmony.

Hatfield Studios is currently a leased property and accommodates undergraduate and postgraduate students who are enrolled for study programmes at any of the University's nine faculties.

Located on the fringe of the Hatfield Campus, Hatfield Studios prides itself on its state-of-the-art security system and modern architectural finishing. All units are single "bachelor" units with an en-suite bathroom. Hatfield Studios also has a mini IT-lab, study centre, lounge and games room.

This residence is unique because it is not as formally structured as other residences. The newly selected House Committee is currently compiling the residence's vision and mission.

As it is only a few metres away from UP's Hatfield Campus, shopping centres, a gym and a vibrant nightlife, Hatfield Studios has it all.

For more information, kindly contact residence administration at tuksres.placement@up.ac.za.



TuksSport

Interested in sport?

If you like sport, read on! Sport is a big part of student life and the University of Pretoria provides students with opportunities to participate in a variety of sports at club, national and international level. Currently, TuksSport is one of the largest sources of athletes for a variety of sports disciplines at provincial and national level.



TuksSport clubs include the following:

- Athletics
- Aquatics (which includes lifesaving, swimming, triathlon, underwater hockey and water polo)
- Cricket
- Football
- Golf and the PGA Golf Academy
- Hockey
- Netball
- Rugby
- Squash
- Tennis

Other specialised, individual and recreational sports include; archery, aikido, badminton, basketball, canoe, cheerleading, chess, cycling, dance, exploratio, fencing, gymnastics, judo, karate, mindsport, orienteering, rowing, softball, taekwondo, trampoline, ultimate, volleyball and wrestling.

The University of Pretoria offers an outstanding sporting and academic career, and sport bursaries are available to selected athletes who have obtained at least provincial colours in a selected sport. So #JoinTheStripeGeneration and show us how you will #EarnYourStripe at TuksSport and UP.

The University's excellent sports facilities and the High Performance Centre (hpc) are easily accessible to students.

Come and chat to us at the University of Pretoria's Open Day on 23 May 2015. The TuksSport clubs will be set up on the lawn just behind the Amphitheatre on the Hatfield Campus.

Tel +27 (0)12 420 6060

Email sportinfo@up.ac.za

Website www.up.ac.za/tuksport



TuksSport



@TuksSport

TuksSport



Here are a few of our recent successes:

- 10 University Sports South Africa (USSA) titles
- Two varsity sports titles
- 142 senior national athletes
- 15 senior national coaches
- The Assupol TuksCricket team won the Red Bull Campus Cricket World Championship

TuksSport High School

The will to do, the heart to win!



Hettie de Villiers

Did you know that the University of Pretoria has its own high school?



TuksSport High School is an academic school with a strong focus on sport.

- The TuksSport High School is an independent, academic, co-ed school with a strong sport focus.
- We are an English medium high school.
- We accept learners from grades 8 to 12 from 13 to 18 years old, but do not accept new learners into Grade 12.
- School hours are from 09:30 to 15:05 with a half hour lunch break.
- At TuksSport High School, we pride ourselves on offering elite coaching to budding high performance athletes.
- The TuksSport High School allows current and potential high-performance athletes to train and travel internationally, while staying in school. Learners have a unique opportunity to live out their passion for sport in a distinctive sporting milieu.
- Our slogan is: **The will to do, the heart to win!**

The National Senior Certificate curriculum is offered so that learners can attain university exemption if they wish to pursue tertiary studies. All 31 Grade 12 learners passed Grade 12 in 2014. The learners achieved a total of 50 distinctions and 77.6% of them obtained matriculation exemption.

The TuksSport High School Curriculum and Assessment Policy Statements (CAPS) curriculum:

Core subjects are: English and Afrikaans (Home Language), IsiZulu (First Additional Language), Mathematics, Mathematical Literacy and Life Orientation.

Electives subjects are: Physical Science, Life Science, Geography, Accounting, Business Studies, CAT and Tourism.

Accommodation

The school is currently situated on the University of Pretoria's Groenkloof Campus, but we will be moving to our new premises on the UP Sports Campus in August 2015.

The school offers boarding facilities to learners who do not wish to travel to and from school on a daily basis. Learners are currently staying in Huis Karee near the hpc or at the hpc itself, but they will be moving into the new residences in August.

Meals

Breakfast and dinner are included in the accommodation fee. Lunch is delivered to the school, but at additional cost to the learners. All meals have to be pre-booked through a central booking system.

Sport disciplines offered and coaching

The following sporting codes are offered at the school: tennis, swimming, football, cricket, athletics, gymnastics, judo and golf. Training sessions are offered twice a day (05:30–08:00 and 16:00–18:00), depending on the sporting code.

The school highly values **academics** and, therefore, a strict **“no pass, no training”** policy is enforced.

TuksSport High School

Sport science and medical services

The following services are offered to the learners/athletes:

- Biokenetics – group training
- Sports science gym
- Sport psychology
- Massage
- Sports science testing
- Functional movement screening
- Sport nutrition
- Performance management system

The following services can be claimed from your medical aid:

- Doctor (for medical consultations)
 - Physiotherapy
 - Blood tests (as ordered by hpc sport physician)
 - Dentist consultation (no surgery or braces)
 - Doctor's prescription (as ordered by hpc sport physician)
 - Vaccines
 - X-rays and sonars (as ordered by a hpc sport physician).
- No magnetic resonance imaging (MRI) or computerised tomography (CT) scans or nuclear studies

Fees

Please contact Maritza van Heerden in the Academy Office for all information regarding the fee structure.

Tel +27 (0)12 362 9875

Email maritza.vanheerden@hpc.co.za

Bursaries

The Academy does not offer bursaries to new learners, but talented athletes who do not currently attend well-developed schools with existing athletics programmes can contact Fundiswa Hlobo about athletics bursaries.

Tel +27 (0)12 420 6004

Email fundi.hlobo@hpc.co.za

Talented football players may also contact TuksFootball Club:

Tel +27 (0)12 420 6086

TuksSport High School's top Grade 12 learner, Ruan Ras achieved seven distinctions in 2014



Application process

Should you be interested in enrolling in the TuksSport High School Sport Programme, download the application form from www.hpc.co.za by clicking on TuksSport High School and Academy and then on Application Form. **Application can only be done online - once the application forms have been completed, click on the submit key to send.**

Note: Please indicate which sporting code you are applying for, as well as the level of current participation, eg school team, provincial, levels (swimming).

You will be contacted after your application is received.

Visits to the TuksSport High School and hpc

Arrangements can also be made to spend a day at the TuksSport High School.

Contact Mrs Hettie De Villiers

Tel +27 (0)12 343 4501/4527
(between 09:00 and 14:00)

Website www.hpc.co.za



Hettie de Villiers (Principal)



"To be a true champion on and off the sports field means to constantly strive without reservation to reach your full potential. It means being committed and disciplined in your approach, taking personal responsibility, demonstrating a deep desire to succeed, showing an impeccable and relentless work ethic, setting priorities and making the required sacrifices, persevering through adversity with a positive attitude and applying a competitive training focus that creates the opportunity to transform the impossible into the possible."



Tuks Camerata

Die feniks herleef

Die Tuks Camerata-koor het hul hergeboorte aan die einde van 2014 met 'n skouspelagtige galakonsert, getiteld *Phoenix*, gevier. Hierdie hergeboorte was hoogs indrukwekkend – afgesien van die hoogtepunte wat hulle verlede jaar beleef het, het daar hierdie jaar reeds ongelooflike dinge gebeur.

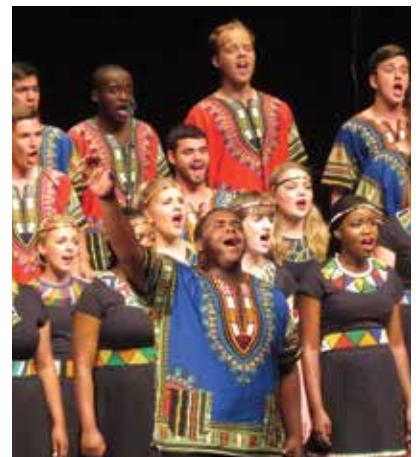
Die beste gebeure in 2014 was die koor se deelname aan die 8ste Wêreldkoorspele en die pragtige CD wat hulle gemaak het. In Julie het die koor via Stockholm na Riga in Letland gereis om aan die Koorspele deel te neem, en hulle het sommer 'n paar medaljes huis toe gebring! Hulle het die kategorie vir gemengde jeugkore met 95.25% gewen, en het die tweede plek (95%) behaal in die kategorie vir gedramatiseerde volksang met hulle pragtige Afrika-keurspel (African Medley) (wat deur hul dirigent, die briljante Michael Barrett, verwerk is). Dis so goed jy moet dit net sien: <https://www.youtube.com/watch?v=OvNKSMN1zkQ>. Na die spele is die koor die 20ste beste in die wêreld!

Jip, daar is sowaar 'n ding soos die Wêreldkoorspele! Dit beteken dat jy 'n internasionale kampioen kan word as jy 'n lid van Tuks Camerata is! En die kans is goed dat jy ten minste een geleentheid gaan kry om interessante plekke oorsee te gaan verken!

Die CD wat by die galakonsert bekendgestel is, het ook die titel *Phoenix* en is asemrowend mooi. 'n Paar van die liedjies is op die koor se SoundCloud-profiel: Tuks Camerata. Maar dis nie sommer net enige CD nie: dis onlangs genomineer vir 2015 se Suid-Afrikaanse Musiektoekennings (SAMA's) in die kategorie vir die beste klassieke of instrumentele album. Die koor het teen groot name in die musiekbedryf, soos die CH2-kitaarduo en die Charl du Plessis-trio, meegeding. Op 19 April het Wouter Kellerman met die SAMA weggeloop vir sy album *Winds of Samsara*, maar UP is steeds SO trots op Camerata.

Daar is egter meer aan Tuks Camerata as konserte, kompetisies en die maak van CD's. Omdat die koorlede baie tyd in mekaar se geselskap spandeer (as jy geïnteresseerd is, moet jy weet daar wag baie intensiewe oefensessies op jou), word hulle een groot familie wat deur die goeie en slegte tye saamsing. Daar was 'n klomp rooigehulde ogies by die funksie na die galakonsert verlede jaar – studente wat die koor verlaat het omdat hulle klaar studeer het. Hierdie jaar het die koor hul eie koorkamer bekendgestel, wat as hul repetisiekamer en daaglikse tuiste dien.

Die feniks is 'n voël in die Griekse mitologie wat herhaaldelik hergebore word uit die as van sy voorganger. Net een leef op 'n slag en uiteindelik sterf hy in vlamme.



Ek weet ek sê nie juis baie as ek tussen julle ouens is nie, maar toe ek vandag op die Gautrein op pad terug huis toe was, kon ek nie die trane keer nie. Ek is so gelukkig om 'n deel van die Camerata-familie te wees en om julle in my lewe te hê.

– Melchizedek Melk-Tert Ausiku

As jy 'n lid van hierdie talentvolle koor – wat al die rassegroepe in Suid-Afrika en al die fakulteite by die Universiteit verteenwoordig – wil word, is dit 'n goeie idee om hulle op Facebook (Tuks Camerata) te volg, hul webtuiste (www.tukscamerata.co.za) te besoek en jou oë oop te hou vir kennisgewings oor oudisies as jy 'n student is. Jy kan ook vir Pamela Oosthuizen, Tuks Camerata se bestuurder, kontak by pamela.oosthuizen@up.ac.za of +27 (0)12 420 5470.

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