



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

# Annual Review 2013

[www.up.ac.za](http://www.up.ac.za)

## Annual Review 2013

# UP 2025

## Vision

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

## Mission

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

## Values

The members of the University of Pretoria believe that:

- our community of scholars must be founded on the pursuit of knowledge through research and teaching and learning, with membership acquired on the basis of intellectual merit, ability and the potential for excellence; and that
- differing perspectives, arising from diverse backgrounds and histories that define our identities, deepen scholarly enquiry and enrich academic debate.

We cherish:

- academic freedom, creative and innovative thought, ethical standards and integrity, accountability and social justice; and
- our staff and students as the University's core asset.

We foster:

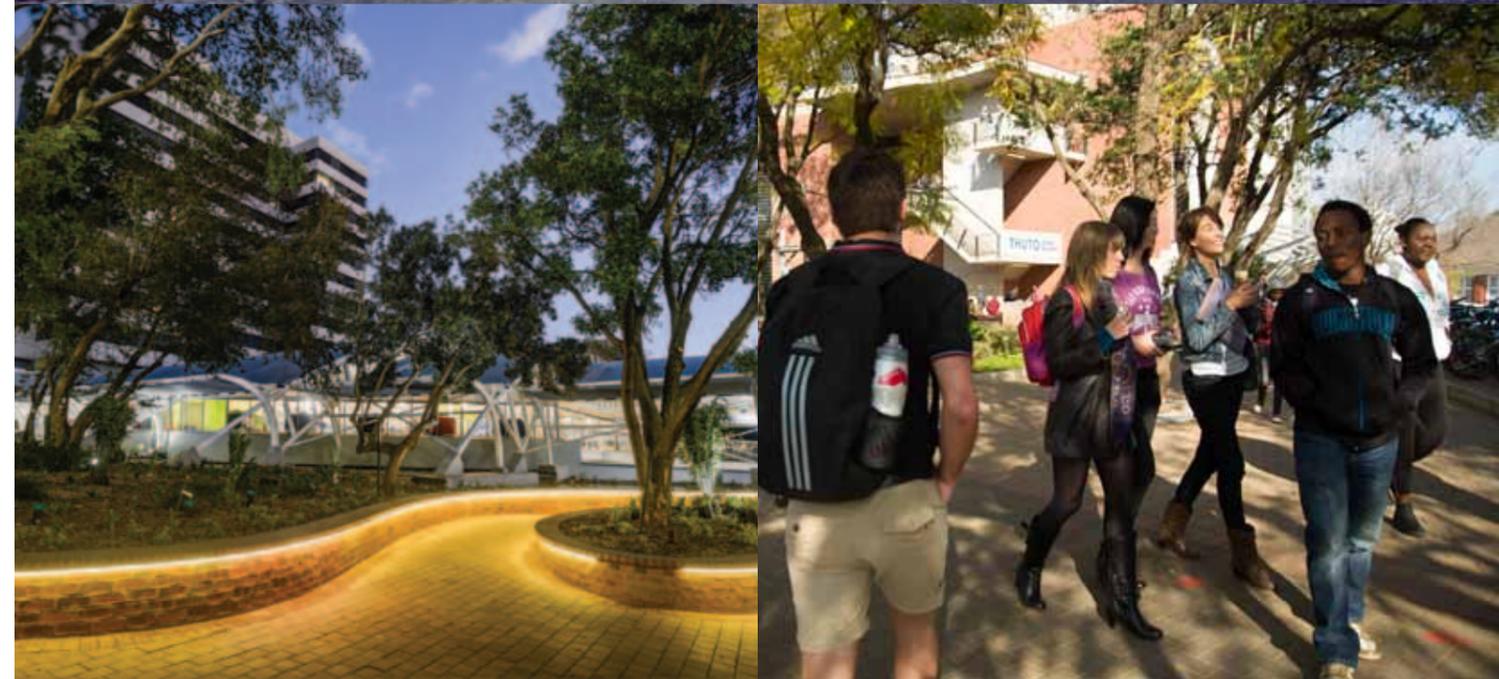
- an enquiry-led and evidence-based approach to creating knowledge; and
- academic citizenship, whereby we commit ourselves to harnessing our intellectual abilities in the interest of our nation and humanity.

We recognise that:

- in a resource-constrained world where vast disparities remain, the University must endeavour to produce graduates who appreciate the importance of community service, entrepreneurial endeavours and innovative actions in generating employment and development in our local communities.

## UP at a glance

- Established in 1908 – one of the oldest higher education institutions in South Africa
- Student enrolment: 48 757 contact students comprising 34 466 undergraduate and 14 291 postgraduate students, and 16 441 distance education students of whom 4 734 are enrolled for an undergraduate diploma and 11 707 for an honours degree
- Academic staff: 1 756 permanent and temporary full-time academic employees
- Nine faculties and a business school: Economic and Management Sciences; Education; Engineering, Built Environment and Information Technology; Health Sciences; Humanities; Law; Natural and Agricultural Sciences; Theology; Veterinary Science; Gordon Institute of Business Science (GIBS)
- Seven campuses: Hatfield; Groenkloof; Mamelodi; Prinshof; Onderstepoort; Illovo; LC de Villiers Sports Campus
- Prominent alumni include the late Dr Anton Rupert, former cabinet minister Geraldine Fraser-Moleketi, FirstRand co-founder Laurie Dippenaar, Judge Willie Seriti, opera singer Mimi Coertse, poet Antjie Krog, Sanlam CEO Dr Johan van Zyl, Head: West Basin Port at Adani Enterprises Ltd (India) Raymond Chirwa, President of Standard New York Securities Albert Maartens, banking executive Kennedy Bungane, artist and businesswoman Carrol Boyes, media entrepreneur Gareth Cliff, actress Eloise Cupido, Springbok coach Heyneke Meyer and rugby legend, Naas Botha.



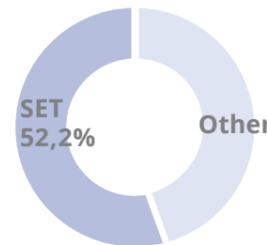
## 2013 highlights



**UP's Gordon Institute of Business Science (GIBS)** was rated the top SA and African business school in the UK *Financial Times* Executive Education rankings. Ranked at number 43 it was the only business school in Africa to feature in the top 50 schools world wide for the tenth consecutive year.



**14 393 degrees**, diplomas and certificates – including **242 doctorates** – were awarded at 40 UP graduation ceremonies in 2013.



**More than half** of all contact enrolments at UP (**52,2%**) were in science, engineering and technology (SET).



The University had **375** National Research Foundation (NRF) rated researchers.



**Over a third** of national top achievers (six distinctions and more) in the National Senior Certificate applied to study at UP.

- International postdoctoral fellows increased to 127 in 2013 (from 82 in 2012).
- UP contributed more than R19 billion to the South African economy.
- UP increased its focus on the African continent and is a member of seven African research networks.
- UP's research output in the category of journal articles was 1 418 units in 2013, a marked increase compared to the 1 277.35 units the previous year.
- UP-Tuks 1 won the first-ever Varsity Football Challenge, TuksAthletics were victorious in the new Varsity Athletics series and TuksRugby won the Varsity Cup for a second year running.
- The UP cricket team was crowned the Momentum National Cricket Club Champions for the second consecutive year and also won the Northerns Cricket Union Knock-out Competition.

## Contents

Message from the Chancellor	6
Message from the Chairperson of Council	7
Vice-Chancellor's report	8
Research: generating knowledge, building capacity	11
Teaching and learning: embracing excellence	14
Collaboration: strengthening networks and impact	18
Engaging communities	20
Faculties in focus	23
Student life	31
Facilities: enabling environment	33
Honour roll	35
Financial statements	38

## Message from the Chancellor



One of the closing events of 2013 was the University of Pretoria's memorial service to honour one of the greatest statesmen the world has ever seen. On this sad occasion the University community was inspired anew to emulate the example set by former President Nelson Mandela

by delivering on its public mission to improve the quality of life of all South Africans.

Producing an annual review for the University of Pretoria allows us to pause and reflect on the impact we have made on the lives of our students, in our community and more generally. The University's impact on the social and economic development of South Africa was quantified in a commissioned study that showed that UP contributed more than R19 billion to the country's economy. While we are extremely proud of this contribution, much of what UP delivered in 2013 cannot be measured in simple financial terms.

UP has, for example, responded to the challenge from government to educate and graduate more engineering, healthcare and veterinarian professionals, and to reflect greater diversity in student demographics in these scarce skill areas. This review gives an account of several indicators of positive progress towards achieving the University's strategic goal of increased access and throughput of its diverse body of talented students.

It is also pleasing to note that in 2013 academic leaders at UP engaged closely with industry, policy makers and the public to identify and develop innovative research

projects that address real-world challenges. Based on the overall institutional performance in 2013 I believe that UP is well placed to continue delivering dynamic teaching and learning, world-class research and meaningful community engagement in the coming years.

I wish to convey my appreciation and congratulation to the Chairperson and members of the Council, the Vice-Chancellor and Principal, and the management and staff of the University of Pretoria for building and sustaining one of Africa's leading research-intensive universities efficiently and effectively. I have every confidence that, with the ongoing implementation of the UP 2025 strategic plan, we are laying the foundations that will help ensure that in future years our claim of being one of Africa's leading research-intensive university will not only be intact, but significantly strengthened.

Prof L Wiseman Nkuhlu

## Message from the Chairperson of Council

The work of the University Council is made so much easier by the University of Pretoria's strong intellectual leadership and effective management.

Each year the University Council considers in detail the University's academic and overall institutional performance measured against the objectives and goals as specified in the UP 2025 strategy and related implementation plan. For the year under review, the Council was very pleased with the significant improvements in research and in teaching and learning demonstrating that the University's core mission is very healthy, indeed. New institutional partnerships and a growing number of awards and prizes awarded to UP academics and students provided further evidence that the University is making strong progress in its quest to enhance its stature as a leading South African university.

An overarching goal of the long-term UP 2025 strategy is to strengthen the University's impact on South Africa's economic and social development. In 2013 the University gave considerable attention to this goal and therefore, the Council was very gratified by the allocation of dedicated government funding to expand the campus infrastructure in order to grow the University's capacity to produce medical doctors and veterinarians: two professions that are in short supply. The facilities for the growing number of students in engineering were enhanced considerably by the completion of the award-winning Mining Industry Study Centre, the first of its kind in Africa. In addition to these large construction projects, a number of other building projects were undertaken as the University is giving considerable attention to ensuring that the campus environment and institutional culture foster productivity and a context in which people can flourish.

The University also strives to serve its immediate community and broader society. A significant step forward in this regard is the Memorandum of Understanding (MOU) signed by UP and the City of Tshwane with the intent to promote co-ordinated



planning, intellectual capital collaboration and joint projects. Both parties share a common vision of improving the efficiency and effectiveness of the city in the delivery of services to all its people.

Numerous official visits by government Ministers and officials, renowned academics and industry leaders, a series of public lectures, together with art exhibitions, concerts and sports events - all open to the public - have contributed to enhancing visibility and impact - and helped deliver on our objective of being a world-class, locally-relevant higher education institution.

I wish to express my appreciation to my fellow Council members for their contribution in ensuring that the University of Pretoria is well governed and to the Vice-Chancellor and her Executive team for their leadership and judicious management of the University's assets and resources. On behalf of the University Council I also wish to express our appreciation to the Department of Higher Education and Training, all our donors, sponsors and funders for generous support in 2013.

Ms Futhi Mtoba

# Vice-Chancellor's report

2013 was a year in which the University took significant steps forward in our UP 2025 journey to be a leading research-intensive university in Africa, recognised internationally for our quality, relevance and impact.



The most visible contribution we make to the South African economy and society is the number of graduates produced, not only in terms of the overall skills pool, but also in relation to the urgent scarce skills areas identified by the Department of Higher Education and Training (DHET). In 2013 the University hosted 40 graduation ceremonies with 14 393 degrees, diplomas and certificates awarded, including 242 doctorates, 1 476 master's degrees and 4 043 honours degrees.

The increase in research productivity is a particularly pleasing feature of the 2013 institutional performance. Publications, doctoral graduates, postdoctoral fellows and research funding all showed an upward trend and the focus on high impact strategic areas gained momentum with the award of research chairs in areas such as maintenance engineering, water utilisation engineering, sustainable malaria control and international development law. A broadening range of partnerships and cooperation agreements enabled many academics and students to advance their scholarship through participation in international networks and scholarly communities.

About a third of all school leavers who achieved six or more academic distinctions applied to study at the University of Pretoria in 2013: an indication that the University is an institution of choice for the most talented young people in South Africa. So even though UP is the largest research intensive university in the country, we

remain committed to increasing student access through planned enrolment growth, particularly in areas where South Africa has a critical shortage of skills. Thus, in 2013 the University continued to upgrade and expand facilities for students. Several major projects were completed and new infrastructure projects were commissioned that will enable the future expansion of the medical and veterinary science programmes.

Bursaries and scholarships are essential in assisting the University to provide access to academically talented students who are financially disadvantaged. To this end we were very pleased that we were awarded two significant grants from the Michael and Susan Dell Foundation and the MasterCard Foundation. Both grant programmes go beyond financial support by fostering personal growth, leadership development and community service.

Social responsibility and community engagement is an integral part of our strategic plan, UP 2025. The role of the Community Engagement Unit is to assist academics in designing and developing community engagement courses, to liaise with communities to establish sites of learning for students, and to manage these locations and opportunities. The focus is on local community sites of learning mainly within a 20-kilometre radius of our campuses. Voluntary projects often overlap with curriculum-related modules because in many instances the same sites are used, and students often continue

with projects in a voluntary capacity. There are 110 student organisations at UP, with a membership of approximately 15 000, of which 30% are actively involved in voluntary community engagement.

I am also pleased that the University continued its tradition of providing a platform for the debate and discussion of key public issues through a busy calendar of conferences, seminars, lectures and other public programmes that opened the University to a wide external audience. A notable event was the Hendrik van der Bijl Memorial Lecture by Prof Christof Heyns, Director of the Centre for International and Comparative Law in Africa and special UN Rapporteur on extra-judicial, summary or arbitrary executions, who spoke on the use of Lethal Autonomous Robots, better known as drones.

The generosity of our many benefactors has ensured that the momentum of the UP 2025 strategic plan has not only been sustained but enhanced. On behalf of the University community I wish to express our sincere gratitude for the generous contributions of our funders, both public and private and for the on-going support of the Department of Higher Education and Training and the Department of Science and Technology. I would like to commend all the staff, students and other valued stakeholders who are responsible for the achievements detailed in the 2013 Annual Review.

Prof Cheryl de la Rey





# Research: generating knowledge, building capacity

One of the five objectives of the University's guiding strategy is to be a leading research intensive institution, with a focus on areas of research strength that address some of the enduring challenges of the 21st century.

Framed by UP 2025, the research focus is on four broad areas of activity:

- increasing research productivity and impact
- building on strategic focus areas
- broadening the base of active researchers and
- improving postgraduate education.

To strengthen the visibility and impact of UP's research, we locate the research we do in local, national and regional contexts and project our work on the international stage. Central to our strategy is ensuring that the institution remains a hub of knowledge generation and capacity building.

## *Research productivity and impact*

In terms of journal articles alone, UP showed a marked increase in research productivity – from 1 277 publication units in 2012 to 1 418 in 2013. Once the total number of publications, including monographs, books and conference proceedings, is finalised by the national Department of Higher Education and Training and the Academy of Science of South Africa, the University is confident that it will again be ranked amongst the top research-intensive universities in South Africa in terms of its research productivity. At the same time it is recognised that research productivity must be accompanied by considerations of quality and impact, particularly in a resource-constrained world where universities compete for funding and the most talented researchers.

In the South African context, the number of researchers rated by the National Research Foundation (NRF) is one indication of the quality of an institution's productive researchers. In 2013 there was an increase in all rating categories, from the broad base of researchers who are recognised as established researchers in their fields, to those who enjoy considerable international recognition

for the high quality and impact of their recent research outputs. By the end of 2013, there were 375 NRF-rated researchers, an increase of 11% over 2012, and amongst them, 11 scholars who had received an A-rating, meaning that they are unequivocally recognised by their peers as leading international experts.

The growth in the international stature of UP's top researchers is also reflected in those who are grouped amongst the top 1% of scientists globally. In 2013 there were 15 UP researchers in this group, as identified in the Web of Science Essential Science Indicators (ESI). Further, the University retained its position in the top 1% of institutions in six of the 22 ESI field categories in terms of output and citations, i.e.: in agricultural sciences, clinical medicine, engineering, environmental sciences/ecology; plant and animal sciences, and the category of social sciences, general. The University also strengthened its relative position with respect to the publications output – in 2013 it was placed in position 508 within the top 1% institutions globally, measured in terms of a publication output count across all 22 ESI knowledge fields.

## *Strategic focus areas*

Building on areas where the University can distinguish itself nationally and internationally is reflected in several strategies. For example, the focus on institutional and faculty research themes has enhanced capacity in specific research areas, increasing productivity and supervisory capacity, as well as developing stronger national, regional and international networks and funding. In 2013 five institutional themes continued to build on their research foci: Energy; Food, Nutrition and Well-being; Genomics; Animal and Zoonotic Diseases and the Capital Cities Project. Although intended as long-term projects, they have started to generate the envisaged outputs and benefits. For example, 320 research master's and doctoral students were connected to institutional research themes in 2013, along with 31 postdoctoral fellows. This, on its own, is powerful

evidence illustrating the benefits of clustering expertise. In tandem, several faculty themes complement the University's focus on building and increasing research capacity and productivity.

Fostering collaboration and partnerships with industry and government in order to generate the hybrid spin-offs needed for development is a second strategy. In synergy with UP 2025 and the goal of positively impacting on social and economic development in South Africa, such partnerships are mutually beneficial and, for the University, contribute to research, infrastructural development, student development and graduate employment. In 2013 UP entered into well over 100 new agreements with industry partners, with industry-funded research contracts providing close on R126 million in support of research and postgraduate student bursaries. Further support to the value of R19.6 million was provided by the national Technology and Human Resources for Industry Programme (THRIP).

A third strategy in attracting research excellence and creating an enabling environment for research is through Research Chairs and Centres of Excellence, as well as the establishment of centres, units or institutes dedicated to research. In 2013 the University had a total of 38 Research Chairs of which some are funded by industrial partners and others by the National Research Foundation, and numerous units, centres and institutes.

New and renewed Research Chairs in 2013 included:

- The SARChI Chair in International Development Law and African Economic Relations with funding renewed for a second five-year cycle.
- Four of seven national Rand Water Chairs were awarded to the University of Pretoria. Two are based in the Faculty of Engineering, Built Environment and Information Technology (EBIT); one in the Faculty of Health Sciences; and one in the Faculty of Natural and Agricultural Sciences (NAS).
- The Barclays Africa Chair in Banking Law in Africa in the Faculty of Law.

In addition, several Research and Chair Agreements were concluded with large industry-based groups.

#### *Broadening the base of active researchers*

Attracting, developing and retaining quality staff is at the core of the UP 2025 strategy and central to achieving the University's research-intensive identity. In 2013, 55% of academic staff had doctoral degrees. Given that research has shown this to be necessary for knowledge intensity and thus the capacity for research productivity, several strategies to increase this percentage were prioritised and will continue to be used. For example:

- The UP Academic Development Grant Programme supported academic staff registered for doctoral studies to complete their degrees.

- The Research Development Grant from the Department of Higher Education and Training (DHET) contributed towards the costs for teaching replacements for 44 academic staff members in six of the nine faculties, allowing them dedicated time to complete their postgraduate studies.
- There was a sharp increase in postdoctoral fellows – from 87 in 2011 (112 in 2012) to 168 in 2013, in large part supported by the Vice-Chancellor's Postdoctoral Fellowship Programme that made possible an increase in the number of fellowships awarded.
- An Early Career Researchers programme was piloted in 2013 to support early career and emerging researchers, in particular, in their development as researchers. More than 20 workshops on writing for publication, postgraduate supervision and grant proposal writing were presented along with one-on-one mentoring sessions with experienced researchers. This was also supported by the Research Development Grant made to the University.

#### *Improving postgraduate education*

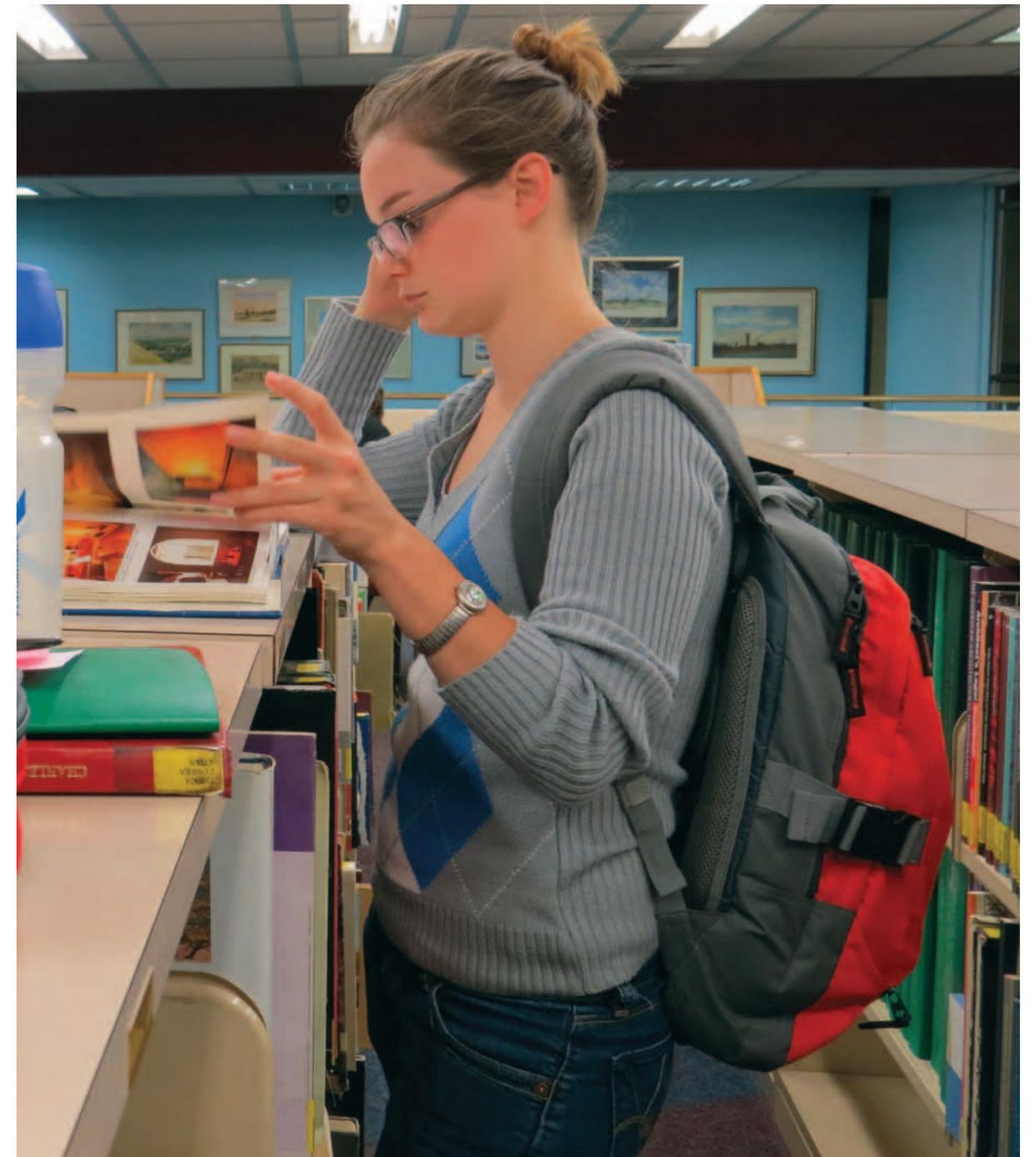
The University recognises that postgraduate research students can potentially make a major contribution in producing new knowledge. A strategic priority for the University is therefore to increase postgraduate enrolment, particularly in research master's and doctoral programmes, and to plan for excellent postgraduate supervision.

In 2013, several mechanisms were in place to provide a high quality supportive environment, study programmes and increased supervisory capacity to enable the successful completion of postgraduate degrees. Postgraduate enrolment as a percentage of overall student enrolment increased to 40%, which bodes well for replenishing the research base and human capital of the University and the country.

#### *Positioning the research agenda*

Taken together, research and postgraduate education are simultaneously the drivers and the recipients of developing knowledge and strengthening capacity at UP, and must necessarily shape what we define as strategic priorities. UP has deliberately positioned itself as a research university within a differentiated post-school system of higher education and training. Much has been written over time about the role of universities in society, and more recently, about the role of universities in development. Located within these broader contexts — and framed by South Africa's National Development Plan (2011) and the White Paper for Post-School Education and Training (2013) — UP needs to position and continually realign its research agenda to the advantage of the institution and in synergy with the broader, dynamic contexts in which it is located.

The University hosts a world-class academic research library network that is spread over six campuses. This service is aligned to the faculties and customised for undergraduates, postgraduates, staff alumni and visiting academics. All services are designed to create a gateway to global information networks and support research and teaching and learning through interaction with professional library staff.



# Teaching and learning: embracing excellence

Excellence in teaching and learning is regarded as core to the academic enterprise and embraces a wide range of educational dynamics, from programme design, curriculum development, physical infrastructure and the language of tuition, to student-lecturer ratios, quality assurance mechanisms, assessment practices and student support interventions.

Effective teaching and learning are key to producing knowledgeable and highly-skilled graduates, in line with the needs of the South African economy and society, and to replenishing our human capital needs and those of other knowledge institutions. Furthermore, quality teaching at undergraduate level lays the foundations for postgraduate studies and is closely tied to UP's goal of raising the University's international profile through research.

One of the most visible contributions UP makes to the South African economy and society is in the number of graduates produced. The success rate of undergraduate students has remained relatively stable over the past three years, with an overall module pass rate in 2013 of 80,1% and an examination pass rate of 88,8%.

The implementation of the Student Academic Development and Excellence Model (SADEM) which commenced in 2011, was supported largely by allocations from the DHET's Teaching Development Grant. Academic development and support are provided in a variety of ways, including through academic orientation, a mentorship programme, extended and augmented degree programmes, tutors and faculty student advisors. The grant has enabled faculties to treble the number of tutors in the past three years, to very good effect, as attested by the pass rate referred to above.

Related to the SADEM are donor-sponsored student advisors who are also invited to the advisors' community of practice. In addition to the Dell Young Leaders' Programme, which is elaborated on elsewhere, the University was awarded the MasterCard Foundation

Scholarship Programme. This programme will eventually fund 347 financially needy undergraduate and postgraduate students from South Africa and the rest of Africa. Students are expected to return to their home communities after completing their studies to work and give back to the community as part of the agreement.

UP continued its investment in a high-quality online platform to support its blended approach to teaching and learning. The use of the Blackboard virtual learning and course management system, branded as *clickUP*, was strengthened as more modules were added to the application and the quality of use of the system was improved within modules. Mobile connectivity as a preferred way of accessing the virtual learning environment grew. By December 2013, 31 699 unique users were accessing *clickUP* from a mobile device, predominantly smartphones, more than double the 15 719 users in December 2012.

As pointed out earlier, attracting, developing and retaining quality staff is at the core of the University's long-term vision and strategic plan, UP 2025, in pursuit not only of its research agenda, but also of excellence in teaching and learning. Several strategic initiatives were prioritised in 2013 to support the human capital development project, specifically in critical areas.

The University's academic structures and Programme and Qualification Mix (PQM) have remained stable with changes reflecting further alignment with the Higher Education Qualifications Sub-Framework (HEQSF), as well as efficiency and rationalisation considerations related to UP 2025.

Endeavours to streamline academic offerings at UP have seen 39 postgraduate modules and 32 undergraduate modules discontinued and a number of new options introduced under existing degree programmes. Approximately 58 new postgraduate modules and 28 undergraduate modules were introduced.

The Masters of Business Administration, presented by GIBS, was revised to introduce delivery models that foster technology-enabled learning, strengthen personal leadership development and hone participants' understanding of doing business in a South African context.



## The Dell Young Leaders Program – designed to increase dramatically the number of educated, employable young people in South Africa

The Dell Young Leaders Program, an initiative of the Michael & Susan Dell Foundation, aims to address the legacy of profound discrepancies in educational quality and student achievement in post-apartheid South Africa. Through the Programme, the University of Pretoria seeks to level the playing field for high-potential but disadvantaged students.

Exceptional students who have a track record of overcoming adversity, and who show the potential to become leaders in their professional lives and communities, are offered comprehensive support through the Dell Young Leaders Program – with the objective of getting the successful students through graduation and helping them find meaningful employment in their chosen professions.

One of the realities for many disadvantaged students is the very thin margin of financial stability that can have a significant impact on a student's university performance and success. One student within the early days of the Dell Young Leaders Program had so little cash that he had to choose between food and toiletries. Unable to bathe properly, he skipped class, which led to a downward academic spiral.

While financial support is at the core of the Dell Young Leaders Program and addresses such day-to-day challenges facing many disadvantaged students, what really distinguishes it from other bursary programmes is its intensive focus on the holistic range of academic, psychosocial and career readiness challenges students face as they make their way through education and onto their chosen career path.

Content source: Michael & Susan Dell Foundation



# Collaboration: strengthening networks and impact

The University of Pretoria's focus on research and postgraduate education is closely linked with the second strategic goal of UP 2025 – strengthening UP's international profile and visibility and therefore, its academic stature and impact.

The imperatives associated with increasing levels of internationalisation in higher education globally, as well as the impact of a knowledge economy and 'networked' society on the nature of universities, have helped shape a number of distinct priorities for the University, namely:

- identifying and consolidating relevant and strategic partners;
- increasing the intake of international students and postdoctoral fellows;
- recruiting international staff and visiting scholars; and
- making possible the exchange of staff and students.

All universities, and research-intensive universities in particular, have to be connected to global networks in order to sustain the quality and relevance of research undertaken and of the academic programmes offered. In 2013 UP extended its global reach and, in particular, its focus on Africa. Nineteen new institutional agreements were concluded, while active agreements and collaborative programmes were strengthened with universities, research groups and institutions in Africa, Central and Eastern Europe, Scandinavia and the Baltic countries, Asia, Oceania and the Middle East, as well as North and South America.

## The focus on Africa

Partnerships and collaboration on the African continent are of particular significance. Several institutes, centres and units at UP support research that reaches into the continent. These include the Institute for International and Comparative Law in Africa, the Centre for the Study of Governance Innovation, the African Tax Institute, the Centre for Mediation in Africa, the Albert Luthuli Centre for Responsible Leadership, the Sports Law Centre in Africa, and the African Centre for Gene Technologies.

Research programmes with strong links into the continent include work undertaken by researchers in the Institute for Food, Nutrition and Wellbeing and the Genomics Research Institute. The Faculty of Veterinary Science is active in Mozambique and Tanzania and is one of the eleven members of the African Veterinary Information Portal (AfriVIP) that operates across parts of Southern, Eastern and Central Africa.

UP is also a member of several African regional organisations and networks. These include the African Network for the Internationalisation of Education (ANIE), the Association of African Universities (AAU) and the Southern African Regional Universities Association (SARUA). The University was instrumental in establishing the Australia-Africa Universities Network (AAUN) of which the Vice-Chancellor and Principal, Prof Cheryl de la Rey, is the co-chair. The AAUN seeks to promote collaborative partnerships in research and education between selected Australian and African universities; the network held its second meeting at UP in September 2013.

Some other important African networks in which UP is an active participant include:

- African Consortium for Malaria Vaccine Research, which includes the Universities of Ghana, Ibadan (Nigeria), Nairobi (Kenya), Zambia, Makerere (Uganda) and Dar es Salaam (Tanzania)
- the African Economic Research Consortium (AERC)
- the African Network for Agriculture, Agroforestry and Natural Resources Education (ANAPE)

## International staff and students

Staff and student exchanges constitute a central component of internationalisation. Academic staff benefit from opportunities to advance their scholarship

by joining and developing international networks with support from the University through the UP Travel Abroad Programme, while the participation of visiting international scholars and students enrich our academic programmes and enhance UP's diversity profile.

UP had 70 international academic staff in permanent and temporary full-time positions, making up 4% of UP's academic establishment. As noted earlier, the number of international postdoctoral fellows increased from 58 in 2011 (and 82 in 2012) to 127 in 2013. The substantial increase can be attributed to the Vice-Chancellor's Postdoctoral Fellowship Programme and to the multitude of research opportunities available at UP.

While UP's institutional research themes attract postdoctoral fellows by offering unique research opportunities, the aim is to appoint postdoctoral fellows across all faculties. The expectation is that they are active and productive researchers and will contribute to strengthening research capacity as well as UP's international visibility.

Students constitute a further important dimension to UP's internationalisation drive. In 2013 there were 4 462 international students enrolled at UP of whom almost 50% were postgraduate students, making up 15,8% of the postgraduate cohort at UP.

## International visitors

Apart from international scholars on the staff of the University, UP's Visiting Professors Programme

promotes and supports the short-term presence at the University of distinguished academics from institutions in other countries and regions whose research interests hold specific benefit for UP. Five awards were made to international scholars from the United States, Europe and the United Kingdom, who were hosted in the Faculties of Engineering, Built Environment and Information Technology, Natural and Agricultural Sciences, Humanities and Health Sciences.

Numerous high-profile international visitors were hosted by the University, complementing the contribution of international staff and students. While the focus varies, their contributions assist in making UP an active participant in regional and international networks of exchange, and open possibilities for future interaction and formalised relations.

## Collaborating internationally to build more local diversity

Through all these international activities, the University is in a strong position to leverage increased capacity, visibility and impact in regional and international research and higher education. Not only do such activities contribute to the research profile of the University, but partnerships, collaboration and extended networks also create an environment of scholarly engagement and exchange that bring global and regional elements of diversity to the UP environment.



# Engaging communities

## UP – a proven driver of regional economic growth.

In response to the oft-quoted statement that universities are the engines of economic growth, the University of Pretoria initiated a comprehensive study of its contribution to the economies of the City of Tshwane, Gauteng and South Africa as a whole in 2011. The report was released in 2013 and shows that UP is indeed an important contributor to economic growth. In 2011, its total contribution to economic output amounted to R19,85 billion nationally, with the largest share, namely R14,06 billion, invested in the City of Tshwane.

The study considered UP's direct economic contribution (arising from academic and other activities of the University, as well as its expenditure on goods and services), its indirect economic effect (generated in the companies that supplied goods and services to the University) and its induced contribution (arising from the spending power of the University's students and staff and the University's contribution to the spending power of employees of its suppliers).

A total of 31 881 formal sector jobs were created or sustained nationally as a result of direct employment by the University or its multiplier effects in the national economy. UP also generated some 6 343 informal sector jobs across the country. Many of the jobs that the University generated were in highly skilled occupations. This was true not only in terms of UP's direct employment but also in many of the enterprises associated with it.

The value added by the University to the community of Tshwane and the country more broadly extends well beyond the jobs it creates and its boost to business through operational and capital spending. The University's core role of producing well-qualified workers for many of South Africa's most highly skilled occupations is critical to future growth and development.

### Delivering social intervention programmes

In undertaking community engagement, the University mainly works with the communities of Mamelodi, Eersterust, Pretoria North, Pretoria West, and Pretoria Inner City, including Sunnyside and Hatfield. Sites of engagement include schools, clinics, homes for the aged and prisons.

All faculties are involved in community engagement and community development, although the nature of their involvement varies. In some cases, curricular community engagement is mandated by the professional or accreditation bodies.

Examples of these social impact programmes include:

- Alaska, Mamelodi: This programme is run by the Viva Foundation in collaboration with UP and other partners. It involves students and staff from a variety of disciplines and has delivered an after-school centre, a hospice, a crèche, preventive healthcare services, waste management awareness initiatives, a general shop (which is operated by the community), a library and a computer centre that offers computer literacy classes. About 2 000 members of the community benefit directly from the facilities and services created.
- EBIT undergraduate students are required to complete a compulsory module comprising a community-based project. Students work in the community for at least 40 hours to address a specific need and to transfer knowledge or skills in the process. The module, which is accredited by the Engineering Council of South Africa, aims to develop students' awareness of personal, social and cultural values, build life skills for future practice and encourage a multidisciplinary approach to problem-solving. Students do renovation projects at schools and non-profit organisations, teach mathematics and science at secondary schools, teach basic computer science and web skills in communities and repair computers for use by communities. They also improve facilities at zoos and animal shelters.
- Postgraduate architectural research: Each year 60 honours students and eight lecturers in the Department of Architecture undertake research in various communities, including Slovo Park, Viva Village in Mamelodi and the Crossroads Shelter. The 2013 students produced urban design frameworks and individual architectural (as well as landscaping and interior architectural) intervention proposals in response to the needs expressed by these communities. These design proposals were presented to the community members.
- Undergraduate and postgraduate veterinary science students provide education and skills training for small-scale emerging farmers, and through the Production Animal Clinic, extend assistance to animal owners in low-income communities in the Mnisi communal area in Mpumalanga. They also increase community awareness of animal health and focus on primary healthcare of animals with weekly clinics in the greater Moretele district. The Onderstepoort Veterinary Academic Hospital maintains an animal clinic on the Mamelodi Campus

of the University. Veterinary students work on rotation at the Mamelodi Animal Health Clinic during the outpatients' session in their clinical year. The clinic supplies Mamelodi residents with basic veterinary health care services for companion animals, including vaccinations, deworming, sterilisation, endo- and ectoparasite control and the treatment of common diseases.

The UP Law Clinic has a proud tradition of rendering legal services to the community, more specifically to the less privileged and often marginalised members of the community. Largely as a response to unmet legal needs, the clinic was originally founded, managed and staffed by law students on a voluntary basis. They received no remuneration or academic credit for their services. Although the clinic of today bears very little resemblance to the initial clinic the commitment to pro bono work remains just as strong. For the past few years, the clinic has handled in excess of 2 000 cases per year.

The Department of Nursing Science partnered with various stakeholders, including the Department of Health and the University of Limpopo, to implement a substantial HIV/Aids awareness campaign at the Kopanong taxi rank in Hammanskraal.

The main purpose of the campaign was to contribute to reducing new HIV/Aids infections by encouraging people to undergo routine medical tests and by educating them about maintaining a healthy lifestyle.

Nursing students from the University of Pretoria, together with taxi drivers and members of the community, took part in the campaign which offered free HIV/Aids testing and counselling, as well as testing for chronic diseases, such as diabetes and high blood pressure.





## Faculties in focus

### Faculty of Economic and Management Sciences

The faculty's achievements at various levels demonstrate that it has made its mark in a range of activities, both nationally and internationally. The well-structured faculty management was strengthened by the appointment of several senior staff members during 2013.

Research is an integral part of the activities of the faculty, which achieved a record 96,89 accredited publication units in 2013. Further evidence of the faculty's focus on building capacity and output is its 19 NRF-rated researchers, viz four B-rated researchers, 12 C-rated researchers and three Y-rated researchers.

Highlights included three researchers of the Department of Accounting being included in the Birmingham Young University Accounting Research Rankings for Accounting Education Research in 2013. Prof Rangan Gupta of the Department of Economics was ranked 16th on the list of the top 200 young economists of the Research Papers in Economics (RePec). The faculty launched the SARChI Chair in Tax Policy and Governance to which Prof Riël Franzsen was appointed.

The faculty focused on facilitating relevant teaching programmes and meaningful learning experiences in accordance with international best practice and industry demand. The Department of Auditing, in association with GIBS and Erasmus University in the Netherlands, launched a new master's programme in internal auditing, sponsored by ABSA. The Department of Taxation launched an innovative new-generation master's programme in taxation. This programme aims to produce skilled and inquisitive scholars and potential thought leaders in the next generation of tax professionals. The Albert Luthuli Centre for Responsible Leadership had its first intake of students in the new Postgraduate Diploma in Integrated Reporting.

In all, 7 114 undergraduate students and 2 173 postgraduate students were enrolled in the faculty's nine departments. Financial Sciences has four departments that were responsible for five undergraduate programmes and 23 postgraduate programmes. Management Sciences has three departments which shared the responsibility of seven undergraduate and 35 postgraduate programmes. Economic Sciences has four undergraduate and nine postgraduate programmes and the School of Public Management and Administration (SPMA) has three undergraduate and 12 postgraduate programmes.

The University conferred 1 754 undergraduate and 1 082 postgraduate degrees from the Faculty of Economic and Management Sciences. UP achieved a first-time pass rate of 95% for the fourth time in five years in the South African Institute of Chartered Accountants' (SAICA's) Initial Test of Competence (ITC) exam, at the same time posting a 19% growth in the number of candidates who wrote the exam in 2012/2013. Two candidates passed with honours. Dr Sharon Smulders, a PhD graduate from the Department of Taxation, won the doctoral category of the Norton Rose South African Tax Thesis Competition for 2013; it was the third time that a doctoral candidate from UP received this prestigious prize.

The international footprint of the faculty included a number of agreements, exchanges, visits and representation on international bodies and awards. The most active agreements were concluded with Louisiana State University, Georgia State University, Fordham University (USA), Tilburg University, Erasmus University (the Netherlands) and Nanjing Audit University (China).

### Faculty of Education

Education as a scientific field at the University of Pretoria improved its ranking from being one of the top 200 faculties of education to being 150th on the QS World University rankings. The Dean of the Faculty of Education, Prof Irma Eloff, founded the African Deans of Education Forum (ADEF) in Nairobi, Kenya, with Prof Henry Mutoro, Vice-principal at the University of Nairobi, and 26 deans of education from across the continent of Africa. Further evidence of the faculty's strong reputation on the continent is that the *South African Journal of Education*, which is hosted in the faculty, is widely regarded as the education journal with the highest impact factor in Africa.

The year under review yielded the highest number of accredited research outputs in the history of the faculty, which also increased the number of NRF-rated researchers to 19. Several books emanated from the faculty addressing themes such as language education, resilience, classroom encounters, linguistic diversity, financial management, effective classrooms, higher education and counselling for career construction. A team of researchers, led by Prof Liesel Ebersöhn, won a grant from the Nelson Mandela Children's Fund to conduct a large-scale study on indigenous patterns of care and support.

The faculty welcomed new postdoctoral fellows in Education Management and Policy Studies, and Educational Psychology. It signed a Memorandum of Understanding with the University of Nebraska-Lincoln (USA) and embarked on a long-term partnership with the Faculty of Education of the University of Alberta, Canada. International partnerships with the University of Babeş-Bolyai and the University of Bucharest in Romania were strengthened, as was the relationship with Fordham University (USA) through the exchange of students and staff.

The international Distance Education and Teacher Education in Africa (DETA) conference, held at the Kenya Science Campus, University of Nairobi, was hosted by the Unit for Distance Education.

The Department of Early Childhood Education was reviewed by an external panel and received positive feedback.

During the autumn graduation ceremonies the University conferred 1 153 degrees and certificates in this faculty. During the spring graduation ceremonies 356 degrees were awarded. A total number of 21 doctoral degrees were conferred during the year under review.

## Faculty of Engineering, Built Environment and Information Technology

The Faculty of Engineering, Built Environment and Information Technology (EBIT) continued to consolidate its position as a leader in its specialised fields, with a strong demand for places in all its programmes.

The year under review saw significant growth in student numbers and in the number of degrees awarded in the engineering programmes. Research in the faculty was enhanced significantly by the establishment of several research entities and a growing number of full-time postgraduate students. The publication output of the faculty was maintained with progress in publications in high-impact journals and an increase in the number of citations.

The faculty is recognised for its dedication and innovative approaches to teaching and learning and the use of technology to support teaching and learning activities. The ongoing review of formal programmes led to the introduction of a module to stimulate interdisciplinary group work in the engineering programmes, a one-year honours programme in quantity surveying and a postgraduate real estate programme.

The infrastructure available for teaching and learning was expanded with the opening of the Mining Industry Study Centre. The centre seats 800 students. It supports the on-campus study needs of students in a computer laboratory and provides facilities for individual and group work. Students in the faculty contributed to community engagement by participating in more than 500 projects involving more than 400 community partners.

Research and service in the faculty was strengthened by the establishment of the Centre for Asset Integrity Management. The centre serves to consolidate the research activities of the Eskom Specialist Centre in Asset Management and industry chairs in condition monitoring, simulation and accelerated testing, and non-destructive observation.

Research on the engineering aspects of water treatment and distribution was boosted through the establishment of two Rand Water chairs, in civil engineering and mechanical engineering, respectively. In mining engineering, teaching and research on rock mechanics was strengthened by the founding of the Harmony Gold Chair in Rock Mechanics and Numerical Modelling.

The continuation of the extensive programmes and research in railway engineering was strengthened by the renewal of the Transnet Freight Rail sponsorship of the Chair in Railway Engineering. International cooperation and research in the field of electronic defence was initiated with the founding of a chair in this field. Excellent progress was made with the development of silicon-based light emitting devices and several international patents have been registered.

## Faculty of Health Sciences

The year 2013 saw the intake of medical students increase from 240 to 300, in response to a call from government to address the national need for more doctors. Construction has started on additional lecture theatres, residence accommodation and other facilities needed to accommodate the additional students.

The faculty had 5 078 undergraduate and 1 410 postgraduate students and proudly awarded degrees to 790 undergraduate and 252 postgraduate students. Remaining on track to become a first choice faculty for all South Africans, in all, 38% of the academic staff are black, as are 56% of undergraduate and 64% of postgraduate students.

The faculty's deep culture of teaching and learning, combined with strong student support systems,

continues to be widely recognised. A total of 11 521 applications were received for the 734 first-year places available across all four schools in the faculty. Module pass rates have increased to 94%. The Department of Family Medicine deserves special mention as the recipient of a National Excellence Award from Higher Education of Learning and Teaching in South Africa (HELTASA). The Department of Orthodontics received recognition as a Centre of Excellence by the International Team for Implantology.

The faculty continues to produce a wide range of research relevant to improving health in South Africa, Africa and across the world, and has increased its level of collaboration with top international researchers.

Grant funding and contract income was doubled in 2013, with major grants received for the Essential Steps in Managing Obstetrics Emergencies, Community Oriented Primary Care and Albertina Sisulu Executive Leadership in Health programmes.

Prof Michael Pepper was awarded a Medical Research Council (MRC) Flagship Grant to expand his research on stem cells, Prof Maureen Taylor was the recipient of a Rand Water Chair in Public Health, and Prof Marietjie Venter received the W Khambule NRF NSTF Award. Prof Mike Sathekge won the Ralph Kirsch Prize for the most cited article in the *South African Medical Journal*, Dr Harlem Gongxeka received the South African Medical Association Young Researcher Award and Dr Mariza Vorster achieved first prize in the Second International Medical Olympiad. Faculty staff launched books on the clinical management of HIV/Aids and TB resistance, on community oriented primary care and on the human skeleton in forensic medicine.

The faculty contributes significantly to leadership in health in South Africa. The presidents of the Health Professions Council and the College of Medicine, the chairpersons of the Federation of University Nursing Deans and the MRC are all UP staff members. Dr Kirstie Rendall-Mkosi became the first recipient of the Jakes Gerwel Award in Public Health and Family Medicine and received one of five international awards for Projects that Work from the Towards Unity for Health Network.

The faculty welcomed the Kalafong Burns Unit to the range of highly specialised services provided by our committed staff – care that would otherwise not be available to the poor.

## Faculty of Humanities

During 2013, the Faculty of Humanities established five research themes, namely Capital Cities: Space, Justice and Belonging, Enhancing the Well-being of Vulnerable Children, Peace and Conflict, Southern Modernities, and Visual Technologies: Critical Encounters.

Among its numerous and varied activities, the Capital Cities project – in collaboration with a number of youth, artistic and non-profit collectives – organised a one-day event in the inner city of Pretoria. A series of Capital City Public Conversations were also hosted during the year.

The Vulnerable Children research theme focuses on children who are at risk for various reasons, whether they are orphans, living with a chronic illness or a chronically ill parent/caregiver, or are challenged by physical disability. One of the projects of this research theme, *Development of means for children with severe communication disabilities to disclose sexual abuse and acts of crime against them*, involved developing an English communication board that was subsequently translated into five other South African languages.

The Peace and Conflict research theme focuses on individuals, people and communities as actors and agents of peace and conflict, while the Southern Modernities project launched a sustained programme of study of southern modes of modernity based upon exchange and debate among thinkers in the southern hemisphere. The fifth research theme, Visual Technologies: Critical Encounters aims to take a critical look at the specific place and role of visual technologies in shaping cultures and identities.

The Centre for Mediation in Africa (CMA) in the Department of Political Sciences received two grants from the Norwegian government to promote capacity building for mediation and to fund a high-level training workshop for senior African women mediators.

The Department of Psychology's Dr Assie Gildenhuys was appointed to the board of the International Association for Group Psychotherapy and Group Processes (IAGP), while Prof David Maree was elected president of the Psychological Association of South Africa for 2013/2014.

Prof De Wet Swanepoel of the Department of Speech-Language Pathology and Audiology was one of four winners from UP of an NSTF-BHP Billiton Award for his innovative smartphone app – known as "hearScreen" – that provides an easy-to-use and cost-effective solution for screening children and adults for hearing loss.

The Department of Social Work and Criminology facilitated the Ubuntu Programme, which saw exchange students from Fordham University (USA) working on

South African community projects and exploring the link between an academic understanding of poverty and community development, and their practical work.

The Centre for Augmentative and Alternative Communication (CAAC) continued its research collaboration with Georgia State University in Atlanta (USA) on a National Institute of Health (NIH) Fogarty grant and also received the prestigious "Hamlet Outstanding Achievement Award" for its exceptional contribution to the upliftment and quality of life of people with intellectual disability in South Africa.

The Department of Music is one of the largest music departments in the country and is known for its substantial postgraduate output. Highlights for 2013 included four piano students winning seven prizes in national competitions, a major composition by Dr Alexander Johnson being prescribed for the international examinations of the Trinity/Guildhall College of Music in London and Prof Wim Viljoen receiving the Huberte Rupert Prize for Classical Music from the Suid-Afrikaanse Akademie vir Wetenskap en Kuns.

The core language cluster in the Faculty of Humanities saw the establishment of a language laboratory consisting of three computer labs, a translation and interpreting hall with five double booths, an audio lab and other state-of-the-art facilities.

## Faculty of Law

The Faculty of Law comprises the departments of Jurisprudence, Mercantile Law, Private Law, Procedural Law, Public Law and the Centre for Human Rights. The Faculty introduced its revised LLB curriculum and the 2013 intake started on the new programme. A total number of 463 students graduated, comprising 348 LLB, 105 LLM and ten LLD candidates.

The faculty earned more than 123 research units in accredited journals. Apart from increasing the number of publications, the faculty significantly increased its number of publications in international journals, which strengthened the University's global stature and visibility. More than 80 visiting researchers and lecturers were hosted during the year, while 17 staff members presented papers at international conferences, and lectured and/or conducted research at institutions abroad. Another highlight of the year was the establishment – in conjunction with the Faculty of Health Sciences – of a new Centre for Law and Medicine in the Department of Public Law.

Prof PA Carstens was appointed head of the Department of Public Law and Prof Corlia van Heerden as the Barclays Africa Chair in Banking Law in Africa. Prof Birgit

Kuschke was appointed as the corresponding member of the Restatement of Principles of European Insurance Contract Law (PEICL) project headed by Prof Helmuth Heiss of Innsbruck University, Austria.

The Department of Jurisprudence presented the Rivonia Trial Conference in conjunction with the University of Glasgow (UK), as well as the Ubuntu Project in cooperation with Prof Drucilla Cornell. Prof Karin van Marle presented lectures in the Birbeck College (UK) LLM programme.

The Centre for Human Rights' network of partners for the LLM/MPhil in Human Rights and Democratisation in Africa was enlarged to 14, with the inclusion of the University of Nairobi, Kenya and the Alexandria University, Egypt. The European Commission confirmed their grant in support of this master's programme for the next seven-year cycle.

The centre organised the first ever Southern African Disability Rights Moot Court Competition in collaboration with a network of partners in Southern Africa comprising seven universities. It published the *African Disability Rights Yearbook* (ADRY) for the first time, with Prof Charles Ngwena as coordinating editor.

The Centre for Child Law was involved in several cases at the Constitutional Court. Of particular note was their success in *Teddy Bear Clinic v Minister of Justice* 2013 (12) BCLR 1429 (CC) in which the Court declared an aspect of the law that criminalised consensual sexual acts between children unconstitutional. This judgment attracted positive attention worldwide.

The Law Clinic assisted indigent people with legal advice and support in its three branches, situated in Hatfield, Mamelodi and Hammanskraal. The faculty hosted its seventh annual Law Faculty Festival. The theme was "It is up to us to ..." and the festival was linked to "Feast@UP" which in turn was linked to the Tshwane Leadership Foundation's Feast of the Clowns. During the Feast of the Clowns students and staff from the Department of Jurisprudence were involved in Tshwane Social Justice workshops.

## Faculty of Natural and Agricultural Sciences

The Faculty of Natural and Agricultural Sciences reiterated its commitment to research with the acquisition of two SARChI research chairs, one in Mathematical Models and Methods in Bioengineering and Biosciences (chaired by Prof Jean Lubuma), and one in Sustainable Malaria Control (chaired by Prof Lynmarie Birkholtz). The UP Water Institute was successful in



acquiring one of four Rand Water chair positions, with the chair being awarded to Prof Fanus Venter in the field of Microbiology.

The Genomics Research Institute (GRI) was established as a virtual platform that facilitates and hosts the University's Institutional Research Theme (IRT) on Genomics.

In all, 4 912 undergraduate students registered for degrees and 1 985 for postgraduate studies. Of the 1 193 students who graduated, 659 obtained undergraduate degrees and 534 obtained postgraduate degrees, including 64 doctoral, 156 master's and 314 honours degrees.

Prof Brenda Wingfield was appointed for a second term of four years as Deputy Dean: Research and Postgraduate Studies, while Prof Marietjie Potgieter was appointed as Deputy Dean for Teaching and Learning until 2017. Prof Wingfield was the first woman in the faculty to achieve a NRF A-rating.

Prof Wolf-Dieter Schubert, a professor in Structural Biology, was appointed in the Department of Biochemistry. Prof Roy Booth, a renowned physicist, who was employed by the Square Kilometre Array (SKA) project and who has vast experience in radio astronomy, was appointed by the Department of Physics to establish a programme in astronomy.

The Mae Jemison US Science Reading Room at the Mamelodi Campus was selected as one of seven "Model American Spaces" in the world through a project conducted by the Smithsonian Institute on behalf of the United States State Department.

Prof Mike Wingfield, Director of the Forestry and Agricultural Biotechnology Institute (FABI) was elected as the new president of the International Union of Forestry Research Organisations (IUFRO), for a five-year term until 2019. He is the first ever African to be elected to this position. Prof Wingfield received the African Union (AU) Kwame Nkrumah Scientific Award in the category Life and Earth Sciences in Addis Ababa, as well as an honorary DSc from North Carolina State University (USA).

Prof Sheryl Hendriks, Director of the Institute for Food, Nutrition and Well-being (IFNuW) was one of only three experts from Africa appointed to the Committee for World Food Security (CFS) High Level Panel of Experts for Food Security and Nutrition (HLPE).

The 12th International Chemistry Conference Africa (ICCA) held at UP was jointly organised by the University of South Africa, UP and Tshwane University of Technology. Prof Sir David King, who serves as Chancellor of the University of Liverpool (UK) among his many advisory roles, shared his views in the plenary opening lecture.

Prof Yuan Tseh Lee, Nobel Laureate and president of the International Council for Science (ICSU), visited South Africa as a guest of the NRF and shared his knowledge and expertise with scientists at the University of Pretoria.

The faculty continued to innovate in the area of teaching and learning, introducing hand-held, wireless response systems (clickers) to rapidly collect and record student responses to questions during larger lecture sessions for biological sciences.

## Faculty of Theology

The Faculty of Theology is primarily a research faculty in which six staff members received NRF ratings in 2013. More than half the staff complement consists of NRF rated researchers, which positions the faculty, with fifteen researchers, ahead of its peers.

The faculty increased its research output by more than 28% with the audited number of 157,74 articles in accredited journals, while 97 articles appeared in ISI-accredited journals. A further 24 units included books, chapters in books and conference proceedings.

The faculty's overarching research theme (FRT) is *Ecodomy – Life in its fullness*. Various aspects of the theme were addressed by three clusters: Old and New Testament Studies (sources); Dogmatics and Church History (beliefs); and Practical Theology and Missiology (practices).

Two ecclesial partners of the faculty are owners of very prominent theological journals, namely *HTS Theological Studies/Teologiese Studies*, and *Verbum et Ecclesia*. Both open-access journals are Scopus- and Scielo-indexed, while *HTS* is also accredited by the ISI.

During 2013, 29 PhDs and 77 master's degrees were conferred, while the faculty succeeded in increasing its overall pass rate from 81,72% to 84,85% and also increased its throughput by 3%. Three new undergraduate programmes were successfully phased in over a period of four years, namely DipTheol, BA [Theology] and BTh.

An increasing number of international students choose UP for under- and postgraduate studies. The faculty has international cooperation agreements with faculties in Cameroon, Edinburgh, Vienna, Munich and New York (Fordham University), to name but a few. The Centre for Contextual Ministry (CCM) is the preferred academic training provider for Leadership Foundations, an international network of faith-based foundations committed to the socio-spiritual transformation of their cities, and is active in more than 40 cities across the world.

The CCM and the Centre for Public Theology (CPT) are vehicles of community engagement. The CCM innovatively blends transdisciplinary research, teaching and community engagement through the Urban Studio, the Village of Support and the Unit for Social Cohesion and Reconciliation. Its impact is particularly evident in the inner city of Tshwane and other South African communities through the development of community and church leaders and the facilitation of creative transdisciplinary spaces.

## Faculty of Veterinary Science

In recent years, particularly since the introduction of the new single-degree programme, there has been a significant increase in the number of veterinary students from designated groups admitted to the veterinary programme.

The process of reviewing existing academic programmes is ongoing and the faculty has made substantial progress with the development of the undergraduate (BVSc) curriculum. This process is aimed at optimisation of the degree structure, the introduction of defined veterinary competencies, continued excellence in teaching and learning and, ultimately, continued international accreditation of the faculty and relevance to local needs.

The number of staff with doctoral degrees in the faculty increased from 21,1% in 2005 to about 40% in 2013, while the number of staff with NRF ratings increased from nine to 27. There was a growth of 49% in the number of master's and doctoral students, and the faculty more than doubled its postgraduate output and the number of postdoctoral students. Furthermore, the faculty's research publication output increased from 55,3 units in 2006 to 112,1 units.

The faculty was well represented in the University's acknowledgement of its exceptional academic achievers and recent NRF-rated researchers. Dr Dayo Fasina received an Exceptional Young Researcher Award and five academics received NRF ratings for the period 2013 to 2018 – evidence of the progress made in recent years by the faculty in building its research capacity.

The faculty's first One Health Summer School took place from 18 to 25 August. Students and researchers from UC Davis, IOWA State University, the Royal Veterinary College, Utrecht University, the Southern African Centre for Infectious Diseases Surveillance (SACIDS), the University of Zimbabwe and the University of Pretoria attended the two-week programme.

The Poultry Disease Management Agency (PDMA) and the UP Poultry Research Chair was officially launched in

March in partnership with the Southern African Poultry Association (SAPA). With Prof Celia Abolnik as the first incumbent of this chair, the partnership aims, among other objectives, to conduct research on poultry diseases that have an impact on the regional economy.

The 14th International Conference of the Association of Institutions for Tropical Veterinary Medicine (AITVM) was presented for the first time in South Africa from 26 to 29 August and was jointly organised by the Department of Veterinary Tropical Diseases and the Institute of Tropical Medicine, Antwerp, Belgium.

Dr Morne de Wet, an MSc student at the faculty, was awarded the 2013 Wildlife Disease Association (WDA) Graduate Student Research Recognition Award for the best research project in the field of wildlife health or disease. This was the first time a student from Africa received this award.

Prof Marian C Horzinek, professor emeritus and former director of the Graduate School of Animal Health at Utrecht University, presented the Arnold Theiler Memorial Lecture at the annual Faculty Day.

Excellence in research performance was again recognised at the 2013 Faculty Day when Prof Vinny Naidoo (UPBRC) was elected as the faculty's Researcher of the Year and Dr Rhoda Leask (Department of Production Animal Studies), as the Young Researcher of the Year.

## Gordon Institute of Business Science

Although the business school environment – in particular that of executive education – was affected by the slower growth in the economy and an increase in competitors' activities, GIBS was exceptionally busy in 2013 and operated at full capacity.

Management changes at GIBS in 2013 included the appointment of Professor Nicola Kleyn as executive director: academic programmes, while Ms Shireen Chengadu assumed the full-time directorship of the Centre for Leadership and Dialogue, an increasingly important part of the business school's strategy and delivery.

The GIBS faculty continues to grow in terms of output, teaching quality and commitment to the school. The core full-time faculty plays the critical role of leading the intellectual life of the school. GIBS places considerable emphasis on research in peer-reviewed journals and the research output of the school remains steady. There has been a significant increase in international publications. Nine local articles and six international articles were published in accredited peer-reviewed journals.

The GIBS doctoral programme was re-energised under the leadership of Prof Helena Barnard. The Doctorate of Business Administration (DBA) programme was substantially redesigned and a PhD track was added to the DBA track. The addition of the PhD means that students who have relevant business experience but do not possess an MBA can also be accommodated in the programme. The GIBS doctoral programme has an explicit aim to widen its African footprint. To this end, funding was secured from the Canadian International Development Research Centre (IRDC) for eight candidates to join the programme from elsewhere in Africa. The admissions process led to eight scholarships being awarded: four to candidates from Kenya, three to Ugandans and one to a Zambian.

GIBS's annual academic graduation took place on 25 April, with a total of 276 MBA and Postgraduate Diploma in Business Administration (PDBA) students graduating.

Demand for the GIBS MBA remained strong with more than 260 students registered for the programme. In the face of increased demand and a significant increase in applications across its MBA portfolio, GIBS introduced two additional MBA programmes for 2014: an extra part-time intake to accommodate increased demand for the format as well as a long-block modular programme.

The GIBS MBA is highly regarded in the market, receiving excellent rankings in the *Financial Mail* survey of South African MBAs. GIBS scored a clear lead in its top ranking as both the school with the best overall reputation among employers and the MBA with the best reputation among employers. In October, the GIBS MBA was ranked among the top 100 MBAs from business schools globally in the prestigious *Financial Times* Executive MBA

rankings. Ranked in the 70th position, GIBS is the only business school in Africa to appear in this ranking. Olebogeng Glad Dibetso of the GIBS MBA class of 2013 was named the recipient of the prestigious MBA Student of the Year Award 2013. Dibetso is the first GIBS MBA student to achieve this honour and the first recipient from an African business school.

Corporate education performed well in spite of a highly competitive environment and in May the annual *Financial Times* Executive Education rankings, a global benchmark for providers of executive education, once again ranked GIBS as the top South African and African business school.

The success of the GIBS Centre for Dynamic Markets (CDM) led to the decision, late in 2013, to establish a modest footprint in Africa with plans to open an office in Nairobi, Kenya. This is part of GIBS's longer-term strategy and vision to establish a presence and build knowledge in Africa.

In early 2013, GIBS hosted the inaugural Academy of Management Africa (AOM) Conference, the first time that the AOM convened outside North America. Delegates from around the world participated in the event, which focused on unique business lessons to be learnt from Africa and other dynamic markets.

GIBS attained the 33rd position in the top 50 ranking of the world's most social media-friendly international MBA schools as measured by OnlineMBAPage. GIBS is the only South African business school on the list underlining the fact that it is driving the agenda and the conversation in the increasingly impactful digital space.



## Student life

Student life – filled with academic, social, sport and cultural activities – is pivotal to students' experience at the University. Increasingly, the focus is on leadership development and transformation with a view to achieving the goals of the University and UP 2025.

The official start to the academic year at UP is traditionally marked by Welcome Day, during which new students and their parents are welcomed and introduced to the University in a ceremony officiated by the Vice-Chancellor and Principal. This occasion, which was attended by around 11 000 people, took place on 26 January.

During the course of the year a number of events are held aimed at attracting and recruiting prospective students. Open Day took place on 18 May and some 25 000 prospective students and their families visited the University's Hatfield, Groenkloof and Onderstepoort campuses.

The University's annual International Students Day, which celebrates and exposes students to cultural diversity at UP and around the globe, took place on 18 October and provided an opportunity for UP's more than 4 200 international students to showcase their countries and cultures by means of exhibitions and cultural activities.

The Principal's Concert on 28 and 29 August featured a programme of well- and lesser-known works presented by the UP Symphony Orchestra, the UP Ovuwa and Camerata choirs and the Jacaranda Children's Choir, as well as various soloists who are alumni, lecturers or students of the University. The programme included an exhibition of the work of third-year visual arts students, entitled *Hidden urban histories*, in the Rautenbach Hall.

Student services are focused on the design and development of high-impact extra-curricular programmes to enhance academic success, leadership, welfare and wellness within a proactive and programme-based approach. This includes student governance. In 2013 the focus was on drafting a new Student Governance Constitution. The election of a Student Representative Council took place under the new Constitution and was supported and monitored by the

national Independent Electoral Commission (IEC). The counting of the votes throughout the night of 17 October was a highlight and the results were accepted by all stakeholders.

The University takes student life, well-being, safety and security seriously – in residences and within the immediate surrounding environments of the University campuses. The residences or TuksRes play an important role in organised student life. The quality of physical facilities, governance structures and particularly the execution of a value-driven organisational culture receive constant attention. Support systems are in place to assist students with their well-being and their academic needs. Academic achievement is promoted and rewarded, and residences are run as learning environments in which students can excel.

Many students who apply to the University of Pretoria wish to live in the university residences, with the result that demand for accommodation far exceeds capacity. Admission to university residences remains a major challenge as the need for accommodation continues to increase. A total of 8 392 students were accommodated in the 28 university residences, as well as four additional private off-campus facilities leased and managed by the University.

### This sporting life

If 2012 was a golden year for TuksSport, it is again accurate to claim 2013 as another highly successful year.

- The University Sport Company (USC) was officially formed late in 2012 when 11 universities signed an agreement to become part of the Varsity Sport Programme that was launched in early 2013. Tuks won the Varsity Cup rugby competition in both divisions (Varsity Cup and Young Guns), and followed this up with wins in the Varsity Athletics, Varsity Hockey (Women) and Varsity Football divisions.

- Other exceptional performances achieved included TuksCricket winning the National Club Championships for the second year running, TuksRowing dominating the National Rowing Championships and being crowned overall winners. AmaTuks finished in the top eight at the end of their first year in the Professional Soccer League (PSL). Football, badminton, swimming, athletics, cycling, golf, women's hockey, rowing (boatrace men A and B) all won gold during their University Sport South Africa (USSA) tournaments.
- Significantly too, TuksSport again provided a large number of athletes to the various South African national and provincial teams as well as other countries' national teams. 107 TuksSport athletes were selected for national teams and 73 for national federation and age group teams. Athletes selected for senior provincial teams numbered 206 and 35 athletes were selected for USSA national teams. TuksSport supplied 13 national coaches and managers.



## Facilities: enabling environment

UP is committed to provide an enabling environment to support its research, teaching and learning, community engagement and student life activities.

Significant progress was made with several large building projects to meet the infrastructure needs of a growing university. The University has benefited from being awarded more than R400 million for developing infrastructure and facilities aligned with the National Skills Development Framework over the next few years. Several infrastructure projects were undertaken for the faculties of Health Sciences, Veterinary Science and Natural and Agricultural Sciences with infrastructure and clinical training grant funding from the DHET.

Projects completed during 2013 include the following:

- The Mining Engineering Study Centre, partially sponsored by the Anglo American Chairman's Fund and GlencorXstrata, was inaugurated at the beginning of the second semester of 2013. The response of students to the new facility has been very positive;
- Old College House, previously occupied by Student Affairs, was upgraded for use by the Centre for the Advancement of Scholarship;
- the refurbishment of a portion of the Pathology Building for the Institute of Cellular and Molecular Medicine laboratories;
- the partial refurbishment of a portion of the Natural Sciences 1 Building for the Department of Physics;
- the total refurbishment of the Boekenhout and Olienhout student residences;
- the construction of a new consolidated dining hall, the Tuks Monate complex, for all residences on the Hillcrest Campus;
- The creation of a second postgraduate research commons in the Groenkloof Library;
- the completion of the TuksGolf Training Centre; and
- the upgrading of the Tuks Stadium to PSL standards, as a result of the promotion of the AmaTuks football team. The upgrade, which was completed in July 2013, means that the stadium is now fit for both rugby- and football-televised home matches.

### New capital projects

Several new capital projects are in progress and are scheduled for completion in 2014. These projects include:

- the establishment of an African Languages Learning Facility in the Humanities Building;
- the construction of new academic and student facilities, together with a new 100-bed residence complex on the Onderstepoort Campus;
- the construction of the Prinshof Lecture Hall Complex on the Prinshof Campus. The facility is funded through the National Skills Development Framework and will allow the University to increase its intake of undergraduate students in the MBChB-programme to 400 per academic year. The complex consists of four 400-seat auditoriums, offices, laboratories, a cafeteria, a gymnasium and underground parking garage;
- the construction of a new 300-bed residence complex on the Prinshof Campus; and
- the construction of a new indoor Cricket Centre of Excellence for Cricket South Africa on the LC de Villiers Sports Campus.

In addition, the ongoing growth in facilities has necessitated upgrades to the services infrastructure to increase water and electricity supply, as well as the capacity of the storm-water drainage system.

### Completion of the IT Systems Renewal Project

A significant development was the completion of the installation of almost all of UP's new enterprise software systems. The Systems Renewal Project's Executive Steering Committee implemented a new governance system to sustain the IT environment until the renewal project was completed. This was a comprehensive, multi-year project and entailed the phased replacement of a substantial portfolio of UP's administrative IT applications.

One of the many advantages of the Systems Renewal Project is that a more integrated suite of management information and intelligence capabilities is now being employed, compared to what was previously available. The provision of information that supports decision-making features prominently in the new system, together with information that makes it possible to monitor and report on operations and activities effectively.



## Honour roll

The impact of the University of Pretoria's acclaimed leadership, research and teaching expertise extends well beyond the University's Gauteng campuses and onto the national and international stage. External awards are an indication of the standing and acknowledgement of significant achievements by UP staff and students.

Selected individual achievements for 2013 include:

- The Academy of Science of South Africa (ASSAf) awarded **Prof Robin Crewe** the Gold Medal for Outstanding Meritorious Service. It is only the second time that this award which acknowledges exceptional service to the Academy, has been bestowed since its inception in 2008.
- **Prof Robin Crewe** was also awarded the Harry Oppenheimer Fellowship, making him UP's first recipient of this fellowship which has a monetary value of R1 million.
- **Prof Mike Wingfield**, Director of FABI, became the first African to be elected as the President of the International Union of Forestry Research Organisations and was awarded the prestigious African Union (AU) Kwame Nkrumah Scientific Award in the category Life and Earth Sciences.
- **Prof Mavis Mulaudzi**, Head of the Department of Nursing Science, was elected Chairperson of the Federation of Nursing Deans of South Africa.
- **Prof Sheryl Hendriks**, Director of the Institute for Food, Nutrition and Wellbeing is the only South African appointed to the Committee for World Food Security (CFS) High Level Panel of Experts for Food Security and Nutrition.
- **Prof Michael Pepper** of the Department of Immunology received a Medical Research Council Flagship Award of R16,5 million over three years for his research on stem cells and finding a cure for HIV-Aids.
- The Minister of Health appointed **Prof Mike Sathekge** as the Chairperson of the Medical Research Council. Prof Sathekge (Head of the Department of Nuclear Medicine) is also the first recipient of the newly launched Ralph Kirsch Golden Pen Award in recognition of a paper that was the most cited article in three years (2010-2012) in the *South African Medical Journal* (SAMJ).
- Three UP academics were winners of a 2013 NSTF-BHP Billiton Award for outstanding contributions to science, engineering, technology and innovation (SETI). **Prof Robert Millar**, Director of the Mammal Research Unit at UP and the MRC Receptor Biology Unit, won the lifetime achiever award. **Prof Marietjie Venter** (Director: Zoonosis Research Unit at UP) and **Prof Saurabh Sinha** (Director: Carl and Emily Fuchs Institute for Microelectronics at UP) each received the TW Kambuhle award for outstanding contributions to SETI over the past five to ten years.
- **Dr Karen Luyt** from the Department of Human Resource Management in the Faculty of Economic and Management Sciences received the Emerald Best International Dissertation Award. This annual award is made by the International Theme Committee of the Academy of Management for the best doctoral dissertation/thesis with an international topic.
- **Dr Philna Coetzee** of the Department of Auditing won the annual Educator of the Year Award of the Institute of Internal Auditors South Africa.
- **Prof Ignacy Crukrowski** of the Department of Chemistry received the Excellence Award: Teaching and Research from the International Society of Electrochemistry (ISE) in recognition of his exceptional contribution to the advancement of Environmental Chemistry and Electro Catalysis in South Africa.

- **Prof Josua Meyer**, Head of the Department of Mechanical and Aeronautical Engineering, received an award from the World Education Congress as Best Professor in Mechanical and Aeronautical Engineering.
- **Prof Sunil Maharaj**, Head of the Department of Electrical, Electronic and Computer Engineering, was the winner of a 2013 dti Technology Award for his research group's work on Broadband Wireless.
- Three UP women were honoured with 2013 Women in Science awards. **Prof Wanda Markotter** of the Department of Microbiology and Plant Pathology was first runner-up in the life sciences category. **Ms Masixolise Pelly Malebe**, a PhD student in Biochemistry, received a doctoral fellowship, and **Ms Madeleine Bihina Bella**, a doctoral student in Computer Science, received a Tata Scholarship.
- **Prof Bernard Slippers** (FABI) received the JE Vanderplank Award at the Southern African Society for Plant Pathology (SASPP) Congress, granted to an outstanding young plant pathologist, based on an evaluation of his research. He was the first recipient of the award. **Johan van der Linde**, a PhD student in the Department of Microbiology and Plant Pathology and FABI, was the recipient of the John and Petakin Mildenhall award for a PhD student.
- **Prof Wim Viljoen**, Head of the Department of Music, received the Huberte Rupert Prize for Classical Music from the Suid-Afrikaanse Akademie vir Wetenskap en Kuns.
- **Prof Gerrit Olivier**, Head of the Unit for Euro-African Studies, received the 2013 Stals Prize from the Suid-Afrikaanse Akademie vir Wetenskap en Kuns.
- **Ms Corrie Schumann-Bosman** of the Department of Ancient Languages received an exceptional medal of honour from the Suid-Afrikaanse Akademie vir Wetenskap en Kuns for the work she does to ensure that Latin terminology is still taught to medical, veterinary science and law students.
- **Prof Rangan Gupta**, of the Department of Economics, was ranked 16th of the top 200 young economists in the Research Papers in Economics (RePEc) list, that considers only the youngest economists registered with RePEc. RePEc is a collaborative effort of hundreds of volunteers in 75 countries to enhance the dissemination of research in economics and related sciences.
- **Olebogeng Glad Dibetso**, a graduate of the GIBS MBA class of 2012, won the prestigious global MBA Student of the Year Award of the Association of MBAs (AMBA) for 2013.
- **James Shorten** won first prize in the 2013 National Student Project Competition of the South African Institute of Electrical Engineers (SAIEE) for his project "Image guided robotic feeding system for disabled people".
- **Dr Heinrich Badenhorst**, a senior lecturer in EBIT, was a winner of the 2013 International Green Talents Competition. He received this award for his efforts to find new and innovative ways of using carbon and graphite material for renewable energy capture and storage.
- **Prof Cheryl de la Rey**, Vice-Chancellor and Principal of the University of Pretoria, was co-opted as a member of the Council of the Association of Commonwealth Universities for a period of two years until 31 July 2015. Professor De la Rey's re-appointment as a member of the Human Resource Development Council (HRDC) of South Africa until August 2018 was approved by Cabinet on 4 September.
- **Prof Themba Mosia** was appointed by the Minister of Higher Education and Training as the Chairperson of the Council of Higher Education.
- **Prof Stephanie Burton** was appointed to the Board of the NRF.



1. Prof Robin Crewe 2. Prof Mike Wingfield 3. Prof Mavis Mulaudzi 4. Prof Sheryl Hendriks  
 5. Prof Michael Pepper 6. Prof Mike Sathekge 7. Prof Robert Millar 8. Prof Marietjie Venter  
 9. Prof Sauabh Sinha 10. Dr Philna Coetzee 11. Prof Ignacy Crukrowski 12. Prof Josua Meyer  
 13. Prof Sunil Maharaj 14. Prof Wanda Markotter 15. Prof Bernard Slippers 16. Prof Wim Viljoen  
 17. Ms Corrie Schumann-Bosman 18. Prof Rangan Gupta 19. Prof Themba Mosia 20. Prof Stephanie Burton

# Financial statements

## Scope of the Summarised Consolidated Annual Financial Statements

### Annual financial review for 2013

#### Income and expenditure

The University's total income increased during the reporting period by R198 m to R4 804 m.

The single main source of income remains the block grant received from government, together with earmarked grants in respect of veterinary sciences, clinical training, foundation year programmes, research development and teaching development initiatives. The block grant of R1,56 billion in 2013 (2012: R1,52 billion) represents an increase of 2,6% on 2012.

The second main source of income, tuition fees, increased by R177,39 m (2012: R86,46 m). Student fees in respect of the University's programme offerings have on average increased annually by 9,0% (2012: 9,5%). The increase in fees can primarily be ascribed to this average increase and an increase in student numbers and modules. The following table provides a summary of the University's sources of income:

#### Total income of the University of Pretoria on 2013 and 2012

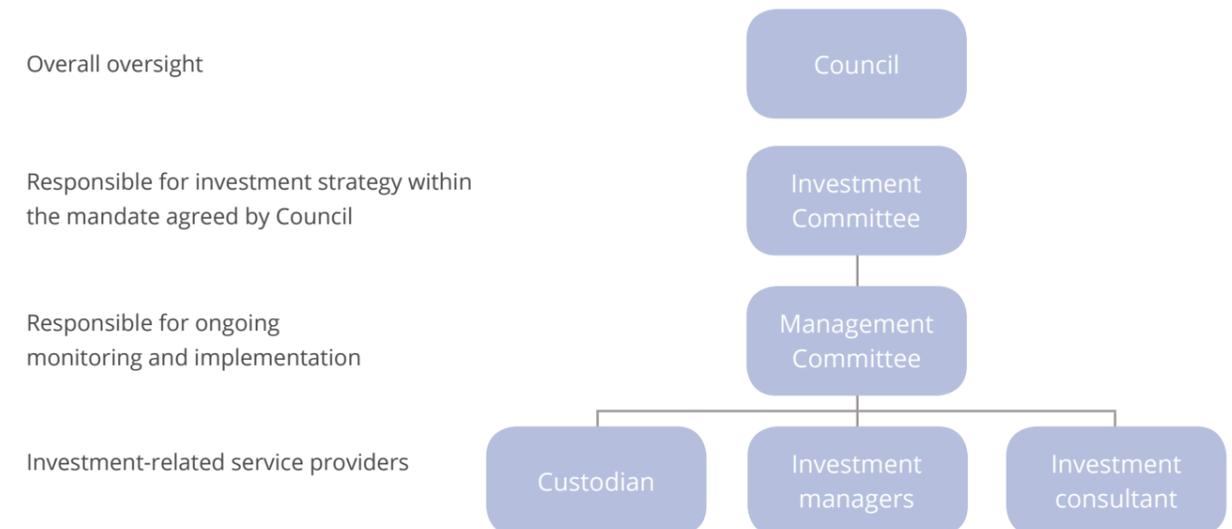
Income	2013	2012	Change
	Rm	Rm	Rm
Government grants	1 758	1 699	59
Tuition fees	1 264	1 086	178
Accommodation and meal fees	280	248	32
Investment income – profits on disposal	82	105	(23)
Interest/dividend income	221	214	7
Net interest income on defined-benefit plans	30	90	(60)
Income from contracts and others	527	526	1
Service rendering	497	495	2
Donations and gifts	145	143	2
<b>Total</b>	<b>4 804</b>	<b>4 606</b>	<b>198</b>

Operating expenses increased by 12,2% (2012: 13,5%), from R4,1 billion in 2012 to R4,6 billion in 2013. The main contributing factors to this increase in operating expenses were staff expenses, depreciation of assets and increased operational expenses related to increases in utilities, rates and taxes, and licences.

## Scope of the Summarised Consolidated Annual Financial Statements (continued)

#### Investments

The University has a diversified investment portfolio that is governed by the Investment Committee of Council. The figure below sets out the structure of the University in relation to investment matters:



The University's investment funds serve three purposes:

- Meeting part of the short-term financial requirements of the University – these liabilities have a maximum term of 24 months. The risk profile emphasises the need for capital protection over short periods, and a high degree of liquidity needs to be provided.
- Meeting the long-term liabilities (five years and more) of the University – the main requirement here is a good return relative to inflation over the long term.
- A special class of the long-term liabilities is the University's obligation in respect of post-employment medical aid benefits.

Three investment portfolios have therefore been established. The table below summarises the key results for the various portfolios over the period since inception to 31 December 2013 (performance is shown net of fees):

Portfolio	Primary performance target	Actual returns
Money Market Portfolio	Outperformance of the STEFI Composite Index over a one-year period	1,3% above the STEFI Composite Index over one year
Long-term Capital Portfolio	6% p a (net of fees) outperformance of consumer price inflation over any rolling seven-year period	5,9% p.a. real over seven years 8,8% p.a. real since inception
Continuation Medical Aid Portfolio	5,5% p a outperformance of consumer price inflation over any rolling seven-year period	6,0% p.a. real over seven years 8,9% real since inception

#### Conclusion

Although the percentage increase in operating expenses in 2013 exceeded the increase in income, the University was still able to break even with regard to subsidised activities. This was as a result of stringent budget control measures, as well as the implementation of effectiveness and efficiency procedures to ensure that a deficit will not arise in the foreseeable future.

## FINANCIAL AID TO STUDENTS, 2013 and 2012

	2013	2012
	Rm	Rm
<b>BURSARIES</b>		
Awarded from own funds:	143,52	122,55
Awarded from funds allocated to UP:	228,08	184,93
Awarded by external organisations and administered by UP:	235,19	222,83
<b>LOANS</b>	229,17	219,56
<b>TOTAL: BURSARIES AND LOANS</b>	<u>835,96</u>	<u>749,87</u>

## UNIVERSITY OF PRETORIA

and its subsidiaries

SUMMARISED CONSOLIDATED STATEMENT OF FINANCIAL POSITION AT 31 DECEMBER 2013

	Notes	2013	2012
		Rm	Rm
<b>ASSETS</b>			
<b>Non-current assets</b>		9 635	7 589
Property, plant and equipment	1	3 174	2 967
Intangible assets	2	264	274
Deferred taxation	3	1	-
Available-for-sale investments	4	5 611	3 894
Investment in associate companies	23	2	1
Defined-benefit pension plan asset	10.1	217	-
Defined-benefit medical plan asset	10.2	284	395
Defined-benefit provident plan asset	10.3	45	-
Non-current loans and receivables	5	37	58
<b>Current assets</b>		2 087	2 224
Inventories	6	15	11
Receivables and prepayments	7	404	411
Cash and cash equivalents	8	1 668	1 802
<b>Total assets</b>		<u>11 722</u>	<u>9 813</u>
<b>EQUITY AND LIABILITIES</b>			
<b>Total funds</b>		9 838	8 166
<b>Non-distributable reserves</b>			
Available-for-sale investment revaluation		1 719	682
<b>Reserve funds</b>			
Restricted funds		4 013	4 358
Council-designated funds		4 106	3 126
<b>Non-controlling interest</b>	11	(9)	(9)
<b>Non-current liabilities</b>		536	439
Borrowings	9	22	22
Defined-benefit pension plan liability	10.1	-	3
Defined-benefit provident plan liability	10.3	-	26
Finance lease obligation	29	1	1
Deferred income	13	472	348
Agency funds	24	41	39
<b>Current liabilities</b>		1 357	1 217
Trade payables, accruals and other liabilities	12	628	524
Deferred income	13	493	440
Student deposits		235	252
Finance lease obligation	29	1	1
<b>Total funds and liabilities</b>		<u>11 722</u>	<u>9 813</u>

## UNIVERSITY OF PRETORIA

and its subsidiaries

SUMMARISED CONSOLIDATED INCOME STATEMENT FOR THE YEAR ENDED  
31 DECEMBER 2013

	Notes	2013 Rm	2012 Rm
Operating revenue	14	4 518	4 167
Less operating expenses		4 540	4 043
Personnel costs	16	2 198	2 052
Other operating expenses	17	2 042	1 737
Depreciation and amortisation	1&2	300	254
<b>Net surplus from operations</b>		(22)	124
Income from investments	15	332	409
Other non-recurrent income		(46)	31
Finance expense		(3)	(5)
Other non-recurrent expenses		(2)	(4)
<b>Surplus before tax</b>		259	555
Less tax	20	(1)	-
<b>Surplus for the year</b>		258	555
<b>Surplus for the year attributed to:</b>		258	555
University of Pretoria		260	557
Non-controlling interest	11	(2)	(2)

## UNIVERSITY OF PRETORIA

SUMMARISED CONSOLIDATED STATEMENT OF COMPREHENSIVE INCOME FOR THE YEAR  
ENDED 31 DECEMBER 2013

	Notes	2013 Rm	2012 Rm
<b>Surplus for the year</b>		258	555
<b>Other comprehensive income for the year</b>		1 410	181
Remeasurements on defined-benefit medical plan	10.2	72	(52)
Remeasurements on defined-benefit pension plan	10.1	225	(66)
Remeasurements on defined-benefit provident plan	10.3	76	(31)
Fair value adjustment on available-for-sale investments	28	1 037	330
<b>Total comprehensive income for the year</b>		1 668	736
<b>Total comprehensive income attributed to:</b>		1 668	736
University of Pretoria		1 671	738
Non-controlling interest		(3)	(2)

## UNIVERSITY OF PRETORIA

and its subsidiaries

## CONSOLIDATED STATEMENT OF CHANGES IN EQUITY FOR THE YEAR ENDED 31 DECEMBER 2013

	Unrestricted operating fund	Council-designated and restricted funds – other	Council-designated and restricted property, plant and equipment funds	Restricted accommodation fund	Total
	Rm	Rm	Rm	Rm	Rm
<b>Balance at 31 December 2011: credit</b>	71	3 550	3 807	-	7 428
Net (decrease)/increase in funds	(57)	709	173	(87)	738
Net income – surplus	135	333	14	76	558
Other comprehensive income	-	180	-	-	180
Net transfers (to)/from other funds	(192)	196	159	(163)	-
<b>Balance at 31 December 2012: credit</b>	14	4 259	3 980	(87)	8 166
Non-distributable reserves	-	682	-	-	682
Council-designated	14	2 675	437	-	3 126
Restricted – other	-	902	3 543	(87)	4 358
<b>Balance at 31 December 2012: credit</b>	14	4 259	3 980	(87)	8 166
Net (decrease)/increase in funds	(14)	1 661	133	(109)	1 671
Net income – surplus	62	224	(110)	85	261
Other comprehensive income	-	1 410	-	-	1 410
Net transfers (to)/from other funds	(76)	27	243	(194)	-
<b>Balance at 31 December 2013: credit</b>	-	5 920	4 113	(196)	9 837
Non-distributable reserves	-	1 718	-	-	1 718
Council-designated	-	3 472	634	-	4 106
Restricted – other	-	730	3 479	(196)	4 013

## UNIVERSITY OF PRETORIA

and its subsidiaries

## CONSOLIDATED STATEMENT OF CASH FLOWS FOR THE YEAR ENDED 31 DECEMBER 2013

	Note	2013	2012
		Rm	Rm
<b>CASH FLOW FROM OPERATING ACTIVITIES</b>		822	762
Cash generated from operations	21	605	553
Interest and dividend income	15	221	214
Finance expense		(3)	(5)
Tax paid	20	(1)	-
<b>CASH FLOW FROM INVESTING ACTIVITIES</b>		(956)	(863)
Purchase of property, plant and equipment	1	(537)	(450)
Purchase of intangible assets	2	(30)	(38)
Increase in available-for-sale investments	4	(1 619)	(1 208)
Proceeds from the withdrawal of funds from medical plan assets		200	-
Proceeds on disposal of property, plant and equipment		8	8
Proceeds on disposal of investments		1 022	825
<b>CASH FLOW FROM FINANCING ACTIVITIES</b>		-	5
Increase in interest-bearing borrowings		-	5
<b>INCREASE IN CASH AND CASH EQUIVALENTS FOR THE YEAR</b>		(134)	(96)
<b>CASH AND CASH EQUIVALENTS AT THE BEGINNING OF YEAR</b>		1 802	1 898
<b>CASH AND CASH EQUIVALENTS AT THE END OF YEAR</b>	8	1 668	1 802



University of Pretoria  
Private Bag X20  
Hatfield Pretoria  
0028 South Africa  
Tel: +27 (0) 12 420 4111  
[www.up.ac.za](http://www.up.ac.za)