

® NORTH-WEST UNIVERSITY YUNIBESITI YA BOKONE-BOPHIRIMA NOORDWES-UNIVERSITEIT

It all starts here

# **PROFILE** 2015/2016



### South African HIGHER EDUCATION landscape



conventional universities

North-West University (NWU) one of the conventional universities in SA



comprehensive universities

universities of technology

Universities South Africa – governing body for SA's higher education institutions

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# the spirit of the north-west university

The spirit of the university is reflected in the way we unlock the future for people and enable them to make their dreams come true.

This spirit runs across all our activities and operations, from our academic offerings and the research we conduct to our student body, community engagement and sports achievements. The "keys" that we use to unlock the future for our stakeholders include the following:

- Our exceptional programmes (p15)
- Our entrepreneurial learning (p16)
- Our top research entities (p27)
- Our focus on internationalisation (p30)
- Our sporting excellence (p25)

### our logo

The inter-locking links symbolise the unity of the merged university and the three colours reflect our three vibrant campuses.



Rorth-West University <sup>®</sup> Yunibesiti ya Bokone-Bophirima Noordwes-Universiteit

#### our pay-off line

- It all starts here
- Dit begin alles hier
- Gotlhe go simologa fano

# our university

### a new institution

The NWU officially came into being on 1 January 2004, as part of the transformation of the higher education landscape.

The institutions that came together to create the NWU:





The staff and students of the Sebokeng Campus of the Vista University were also incorporated.

### a two-tier structure

Institutional Office

Mafikeng Campus Potchefstroom Campus Vaal Triangle Campus

#### our campuses

The Institutional Office (head office) is situated in

Potchefstroom near the

Potchefstroom Campus.



Mafikeng Campus North West Province

Vaal Triangle Campus Gauteng Province



Potchefstroom Campus North West Province

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#### Each campus has its unique characteristics.

#### Mafikeng Campus

The Mafikeng Campus is located in the capital of the North West Province and has an international ambience, with 476 international students from 32 countries enrolled there in 2015.

It is the second largest of the NWU's three campuses, with 10 912 students enrolled in 2015, of whom 690 were enrolled for distance programmes.

The campus's physical setting has a peri-urban profile that lends itself to a rural development focus in terms of academic offerings.

#### Potchefstroom Campus

The Potchefstroom Campus, which is the largest and oldest NWU campus, had 55 551 students registered in 2015, of whom 34 050 were enrolled for distance programmes.

Although most full-time undergraduate classes are conducted in Afrikaans, the campus caters for other language preferences too. For instance, certain niche programmes are offered in English through educational interpreting services.

The Potchefstroom Campus accounts for the majority of the NWU's research output and National Research Foundationrated researchers.

#### Vaal Triangle Campus

Situated in a proclaimed nature reserve, the Vaal Triangle Campus has a diverse student population and boasts a unique environmental setting. Various species of game roam the campus grounds on the banks of the Vaal River.

The campus, which had 7 368 registered students in 2015, focuses on contributing to the skills and knowledge of the Gauteng region, acting as a catalyst for economic growth.

#### faculties: mafikeng

### This campus has five academic faculties with a total of 16 schools and various centres.

#### 1. Agriculture, Science and Technology

- School of Agricultural Sciences
- School of Environmental and Health Sciences
- School of Mathematical and Physical Sciences
- FAST Research and Postgraduate Studies
- Centre for Applied Radiation Science and Technology
- 2. Commerce and Administration
- Graduate School of Business and Government Leadership
- School of Management Sciences
- School of Accounting Sciences
- School of Economic and Decision Sciences
- Centre for Business and Management Development

#### 3. Education and Training

- School for Teacher Education and Training
- School for Educational Leadership Development
- Centre for Teacher Development

### faculties: vaal triangle

This campus has two faculties with seven academic schools, a number of centres and an institute.

#### 1. Humanities

- School of Behavioural Sciences
- School of Languages
- School of Basic Sciences
- School of Education Sciences
- South African Water History Archival Repository (SAWHAR)
- Centre for Translation and Professional Language Services (CTrans)
- 2. Economic Sciences and Information Technology
- School of Accounting Sciences
- School of Information Technology
- School of Economic Sciences
- Centre for Applied Risk Management (UARM)
- Enterprise Development Centre (bHive EDC)
- Serious Games Institute South Africa (SGI-SA)
- Vaal App Factory

#### **Office of the Rector**

 Centre for Continuing Professional Development (CCPD)

#### 4. Human and Social Sciences

- School of Human Sciences
- School of Social Sciences
- School of Research and Postgraduate Studies

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Ipelegeng Centre

#### 5. Law

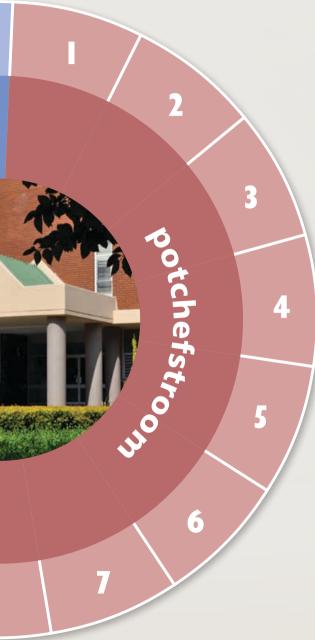
- School of Undergraduate Studies
- School of Postgraduate Studies
- Community Law Centre

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### faculties: potchefstroom

#### This campus has eight faculties with more than 40 schools and centres, including:

- 1. Arts
  - School of Languages



- School of Social and Government Studies
- School of Music and Conservatory
- School of Communication Studies
- School of Philosophy
- Centre for Creativity Training
- Centre for Academic Literacy and Professional Language Practice
- Centre for Governance
- African Centre for Disaster Studies
- Benchmark Centre for Corporate Social Responsibility
- Centre for Text Technology (CTexT®)

#### 2. Natural Sciences

- School of Physical and Chemical Sciences
- School of Biological Sciences
- School of Geo- and Spatial Sciences
- School of Computer, Statistical and Mathematical Sciences
- Centre for Business Mathematics and Informatics
- Centre for Environmental Management
- Centre for Human Metabonomics
- ► Centre for Water Sciences and Management

#### 3. Theology

- School of Ancient Language and Text Studies
- School of Ministers' Training
- ► School of Biblical Counselling and Church Ministry

#### 4. Education Sciences

- School of Human and Social Sciences for Education
- School for Education Studies
- School of Natural Sciences and Technology for Education

#### 5. Economic and Management Sciences

- Potchefstroom Business School
- School of Accounting Sciences
- School of Economics
- School of Business Management
- School of Human Resources Sciences

#### 6. Law

Centre for Community Law and Development Faculty of Law

- 7. Engineering
- School of Chemical and Minerals Engineering
- School of Electrical, Electronic and **Computer Engineering**
- School of Mechanical and Nuclear Engineering

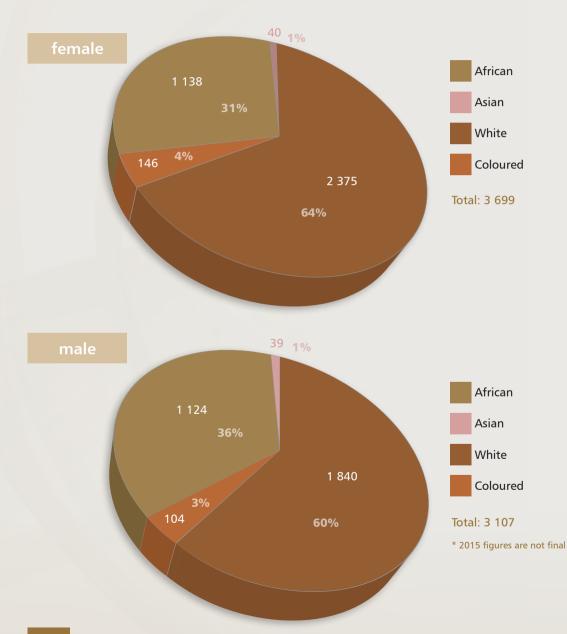
#### 8. Health Sciences

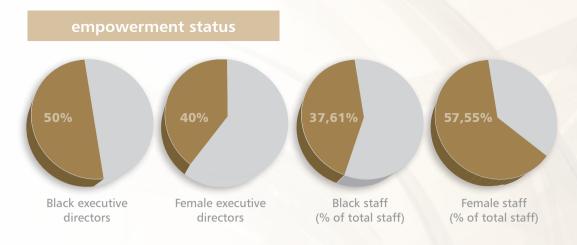
- School of Biokinetics, Recreation and Sport Science
- School of Pharmacy
- School of Physiology, Nutrition and **Consumer Sciences**
- School of Psychosocial Behavioural Sciences
- School of Nursing Sciences
- Centre for Child, Youth and Family Studies

#### **Unit for Open Distance Learning**

# our staff

# racial and gender composition of NWU staff in 2015





### our staff members shine

Our academics excel in their various fields, winning awards and sharing their expertise in South Africa and abroad. These are only a few of the many accolades they have achieved:



### our management teams



Prof Dan Kgwadi Vice-Chancellor



Prof Frikkie van Niekerk Deputy Vice-Chancellor: Research, Innovation and Technology

Chief executive and accounting officer, responsible to the NWU Council for the institution's overall performance.



Prof Martin Oosthuizen Deputy Vice-Chancellor: Teaching-Learning



Prof Mashudu Davhana-Maselesele Rector: Mafikeng Campus



Prof Herman van Schalkwyk NWU Vice-Principal and Rector: Potchefstroom Campus



Vacant Rector: Vaal Triangle Campus

Campus rectors are the executive heads of the various campuses and are responsible for the strategic, functional and operational management of each campus.



Prof Marlene Verhoef Institutional Registrar

In addition to the institutional registrar there are three executive directors:



Ms Elmarie de Beer Executive Director: Finance and Facilities



Mr Victor Mothobi Executive Director: Human Capital



Ms Phumzile Mmope Executive Director: Institutional Advancement



### management team: mafikeng campus



Prof Mashudu Davhana-Maselesele Rector



Prof Lumkile Lalendle Vice-Rector:Teaching-learning and Quality Assurance



Prof Eno Ebenso Acting Vice-Rector: Research and Planning



Prof Helen Drummond Acting Executive Dean: Faculty of Agriculture, Science and Technology



Dr Marilyn Setlalentoa Executive Dean: Faculty of Human and Social Sciences



Mr Etienne Mostert Director: Finance



Prof Sonia Swanepoel Executive Dean: Faculty of Commerce and Administration



Prof Melvin Mbao Executive Dean: Faculty of Law



Mr Koos Degenaar Director: Marketing and Communication



Mr Lester Mpolokeng Executive Manager: Office of the Rector



Prof Dawid Gericke Executive Dean: Faculty of Education and Training



Mr Frank Nkoana Campus Registrar



Dr Karabo Mabe Dean of Students

### management team: potchefstroom campus



Prof Herman van Schalkwyk Rector



Prof Rantoa Letšosa Vice-Rector: Teaching-Learning



Prof Fika Janse van Rensburg Acting Vice-Rector: Research and Planning



Mr Frans du Preez Campus Registrar



Mr Bobo van der Westhuizen Chief Director: Finance and Facilities



Prof Jan Swanepoel Executive Dean: Faculty of Arts



Prof Nicola Smit Executive Dean: Faculty of Law



Mr Theo Cloete Director: Marketing and Communication



Prof Kobus Pienaar Executive Dean: Faculty of Natural Sciences



Prof Susan Visser Executive Dean: Faculty of Economic and Management Sciences



Prof Manie Spamer Executive Director: Unit for Open Distance Learning



Prof Francois Viljoen Acting Executive Dean: Faculty of Theology



Prof LJ Grobler Executive Dean: Faculty of Engineering



Prof Rikus Fick Dean: Student Affairs



Prof Robert Balfour Executive Dean: Faculty of Education Sciences



Prof Awie Kotze Executive Dean: Faculty of Health Sciences

### management team: vaal triangle campus



Vacant Rector



Prof Linda du Plessis Vice-Rector: Academic, Quality and Planning



Prof Tinie Theron Executive Dean: Faculty of Humanities



Prof Herman van der Merwe Executive Dean: Faculty of Economic Sciences and Information Technology



Ms Elbie Steyn Campus Registrar



Mr Herman Steyn Director: Finance and Facilities



Mr Warren Makgowe Director: Marketing and Communication



Ms Prem Coopoo Dean of Students

# our academic offerings

The NWU offers more than just an education: we offer people a place in the world.

Academically, students benefit from great choice and flexibility, enabling them to fulfil their full potential and start developing their careers.

### teaching-learning scoreboard



	2010	2011	2012	2013	2014
Undergraduate pass rate	83,5%	85,2%	88,2%	85,1%	86,1%
Graduation rate	27%	27%	25%	25%	24,1%
Degrees and diplomas awarded	15 083	15 904	14 669	15 464	15 254
Master's degrees awarded	633	639	670	781	746
PhDs awarded	129	115	154	168	171

### exceptional programmes

We offer various programmes that cannot easily be found at other South African universities. Here are a few examples:

- A BScAgric (Animal Health) programme recognised for registration by the South African Veterinary Council
- Bachelor of Indigenous Knowledge Systems programme the first South African Qualifications Authority (SAQA) accredited multi-disciplinary programme in this field
- A Transport Economics and Logistics Management programme
- Master of Engineering in nuclear engineering
- Bachelor of Health Sciences in occupational hygiene
- Master of Health Sciences in transdisciplinary health promotion and in gerontology
- LLM degrees in import and export law, estate law, comparative child law, and in environmental law and governance
- BSc Honours in environmental sciences with specialisation in waste management (the only postgraduate degree of its kind in South Africa)
- Master's and doctoral degrees in management in the curriculum Disaster Risk Management
- BCom in economic sciences with agricultural economics and risk management
- Master's programme in advanced business analytics which runs parallel with the Quantitative Risk Management programme
- BCom and postgraduate studies in forensic accountancy
- Master of Arts in positive psychology (Vaal Triangle Campus and Potchefstroom Campus)
- Master's degree in banking and financial risk management
- Master's degree in human resource management

Mafikeng Campus

Potchefstroom Campus

Vaal Triangle Campus

The Potchefstroom Business School is one of only two business schools in South Africa to offer an MBA programme in both Afrikaans and English and which is accredited by the Association of MBAs (AMBA).

### entrepreneurial learning

- Academic programmes in entrepreneurship are included in the BCom Entrepreneurship and Business Management degree and in the MBA qualification.
- A module in problem solving for business is part of the curriculum of all students enrolled for BCom Entrepreneurship and

Business Management, BSc Consumer Sciences and BSc IT.

The bhive Enterprise Development Centre on the Vaal Triangle Campus has a short learning programme, the Enterprising Women Programme that assists female entrepreneurs to achieve their goals and realise their business dreams.

### distance learning programmes

We have the second largest distance learning unit in South Africa, currently offering open distance learning programmes to 33 000 students. Most are studying education, but there are also nursing, theology and policing students. This unit has close to 62 facilitation and 120 examination centres.

These are spread throughout South Africa, and some are situated in other Southern African Development Community countries.



### interpreting services

In line with our policy of functional multilingualism, the NWU provides academic interpreting services for students. The main user is the Potchefstroom Campus, where approximately 30% of all modules are interpreted.

By offering the interpreting service on this predominantly Afrikaans-speaking campus, we facilitate access for non-Afrikaans-speaking students in a variety of fields of study (with interpreting from Afrikaans to English). We also enable lecturers who do not have the requisite command of Afrikaans to teach in English (with interpreting into Afrikaans).

Interpreting services from English to Setswana are available on the Mafikeng Campus in certain modules, and this service was expanded in 2015.

A pilot project with a view to the long-term reintroduction of educational interpreting at the Vaal Triangle Campus (initially from English to Afrikaans) was undertaken in 2015 and interpretation of the first modules will be introduced from 2016.

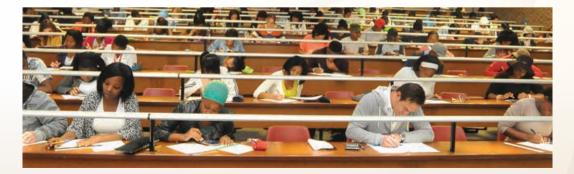
### promoting academic success

The NWU offers several programmes to assist students academically:

- Academic literacy modules: All first-year students do academic literacy and skills tests to determine whether they would benefit from the additional academic literacy modules offered by the NWU.
- Other academic support includes peer mentoring, tutorials, reading laboratories and writing centres.
- Supplemental Instruction (SI) is an internationally recognised student academic support system. SI provides extra group study sessions in the difficult modules,

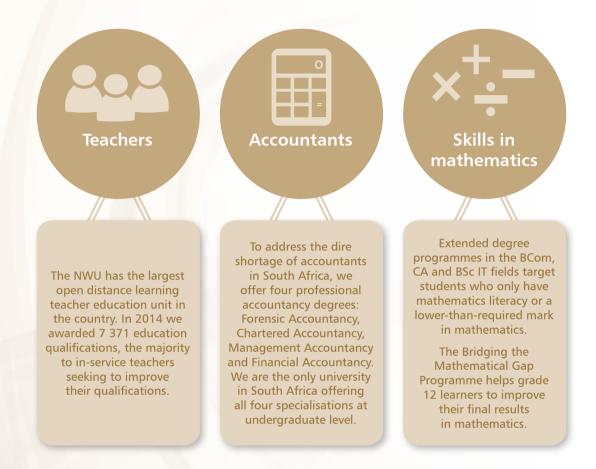
facilitated by senior students who have already successfully completed the targeted module.

- The University Preparatory programme (UnivPrep) is a bridging programme for students who would otherwise not qualify for admission to university.
- Refresher programmes in mathematics are offered to first-year students registered for programmes that include modules in mathematics.
- Various extended programmes enable students to complete their studies over an extended period of time.



### critical skills for the country

The university focuses on developing scarce and strategic skills:



### our centres

Offering honours and master's degrees, the Centre for Applied Radiation Science and Technology (CARST) builds capacity for the nuclear industry in South Africa.

The Centre for Pharmaceutical and Biomedical Services manages all

pharmaceutical and biomedically related commercial services.

The DST HySA Infrastructure Centre of Competence focuses on hydrogen production, storage, reticulation and safety codes and standards.

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The **Centre for Text Technology (CTexT**®) does research in human language technology and develops language technology products, such as spelling checkers and machine translations, for South African languages.

The **Centre of Excellence in Advanced Manufacturing** is a trailblazer in extrusion, which is used to manufacture products in the food, feed, plastic, powder paint and compounding industries.

The DST/NWU Preclinical Drug Development Platform and the Centre of Excellence for Pharmaceutical Sciences have developed a unique drug delivery technology, known as Pheroid<sup>™</sup>, for more effective treatment of diseases such as malaria.

The World Health Organisation Collaborating Centre for the Quality Assurance of Medicines (CENQAM®) is involved in quality assurance and control of medicines for regulatory and non-regulatory organisations in South Africa and abroad.

The Serious Games Institute South Africa (SGI-SA) uses special simulation games

to train people in subject fields such as socio-economics, regional planning and risk assurance.

The **Centre for Continuing Professional Development (CCPD)** offers short courses and workshops in fields such as project management, labour relations and management and computer skills.

The **bHive Enterprise Development Centre** empowers students and community members to become entrepreneurs and to tap into opportunities in the marketplace. It also hosts entrepreneurial student groups such as Coachlab at Vaal, the Young Entrepreneur Business Organisation (YEBO) and Enactus.

The **Centre for Applied Risk Management** (UARM) addresses the need for postgraduate risk management education and applied risk research.

The **Centre for Translation and Professional Language Services (CTrans)** provides services to local and international clients in all 11 South African languages, as well as some European languages.

### our contribution towards combating HIV/Aids

The HIV/Aids pandemic has a huge impact on South Africa and combating HIV/Aids is a priority for the university.

HIV/Aids services are available on all campuses, with the campus health clinics providing voluntary counselling and testing to both staff and students.

Students are actively involved in HIV/Aids awareness on the campuses and among communities. They hold counselling workshops and arrange events such as antidiscrimination marches, candle weeks and condom weeks.

In 2014 the NWU's HIV/Aids programme received R400 000 from Higher Education Aids South Africa (HEAIDS) and this greatly strengthened the programme.

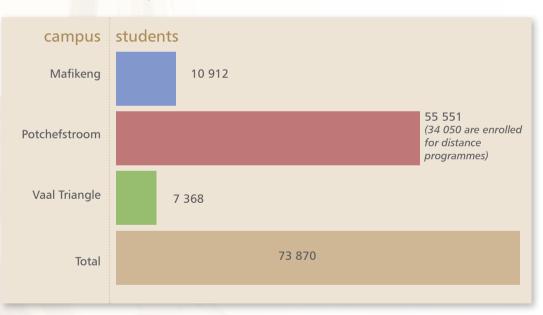
# our students

The NWU is a place where students can achieve academic excellence and at the same time give wings to their imagination, visualise their aspirations and incubate future success in all of life's spheres. Campus life is geared to holistic growth and development, and students are encouraged to participate in a wide range of cultural, sports, counselling and well-being activities.

### student profile

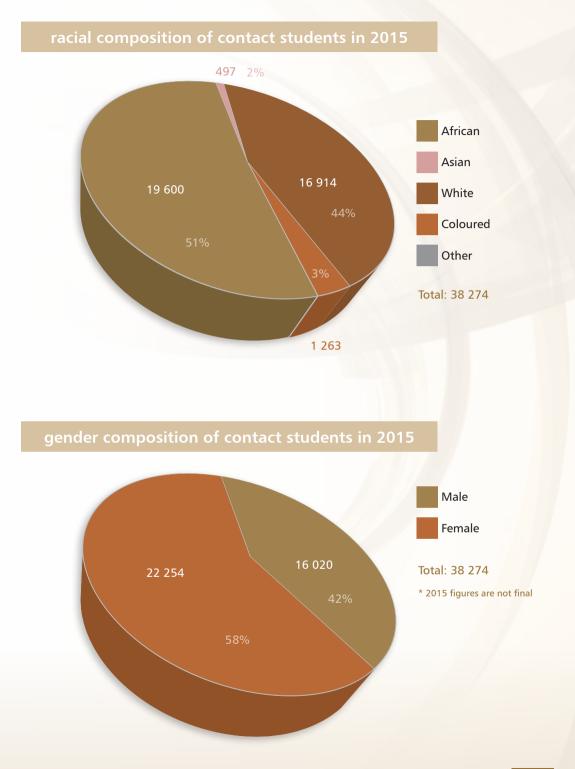
Diversity is the defining characteristic of the NWU's student profile. This gives our students a competitive advantage in that they develop strength from their diversity and grow in their ability to communicate and interact.

In 2015, the NWU student profile looked like this:



	2011	2012	2013	2014	2015
Total student enrolment	56 641	58 752	60 975	63 135	73 870
► Contact	31 663	34 389	36 195	37 193	38 274
► Distance	24 978	24 363	24 780	25 942	35 596

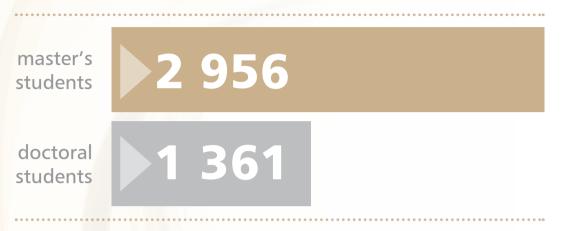
\* 2015 figures are not final



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### undergraduate vs postgraduate

By far the majority of students are undergraduate students, with 56 380 studying towards bachelor's degrees or diplomas in 2015. However, the NWU also had significant numbers of postgraduate students:



### study options

Here are some of the study choices of students in 2015:

Major field of study	Contact	Distance	Total (%)
Science, engineering, technology	11 578,75	564,17	16,7%
Business/management	10 454,08	20,00	14,4%
Education	5 049,83	31 487,92	50,2%
Other humanities	10 030,33	2 861,92	17,7%

\* 2015 figures not final





### student support

We offer the following to support and develop our students:

- financial support (bursaries)
- counselling, psychological and developmental services
- healthcare centres
- disability units

- social workers
- projects providing needy students with regular, balanced meals
- a Career Centre, enabling students to network with potential employers and improve their CV writing and interviewing skills, among others.

### student facilities and infrastructure



facilities, including sports fields and wellequipped gymnasiums.

Through our ongoing building, maintenance and upgrading programme we ensure that current and future infrastructure needs are met. The total expenditure on infrastructure and facilities across the NWU amounted to R225,25 million in 2014.

The following student facilities and infrastructure offer the best possible learning and extracurricular development opportunities:

Modern lecture halls, libraries, computer laboratories, research laboratories fitted with top-of-the-range equipment, student centres with cafeterias and offices for student leaders, student residences and sports

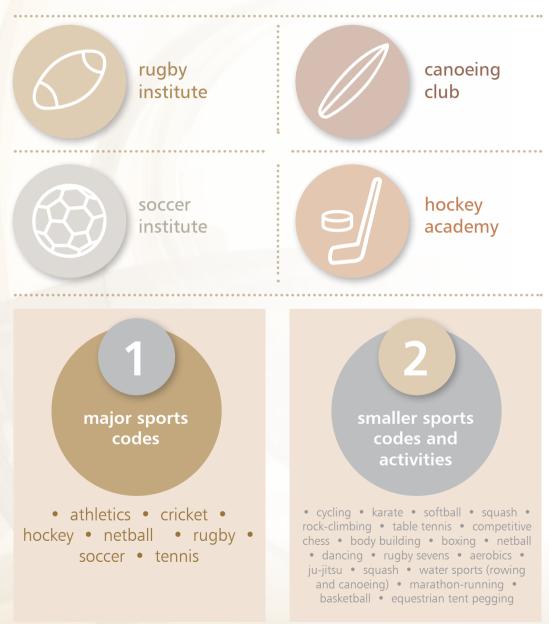
#### extracurricular development

The NWU offers students many opportunities to develop their talents by participating in sport, arts, cultural and other extramural activities. Cultural activities include drama, dance and cultural societies, orchestras, first-year concerts, musicals, talent competitions, choirs, vocal groups, art festivals, exhibitions and competitions, and campus radio stations.

#### sporting excellence

Based on achievements on the sports field, the university can justifiably claim to be one of the top sports universities in South Africa.

The NWU boasts the following:





### our champions

Several NWU sports teams and individuals produced outstanding performances in the University Sports South Africa (USSA) championships and the Varsity Cup.

#### USSA Games 2014

Campus	Sports code	First, second or third place		
Potchefstroom	Gymnastics	First		
Potchefstroom	Karate	First		
Potchefstroom	Tennis B-Team	First		
Potchefstroom	Chess (ladies)	First		
Potchefstroom	Badminton	First		
Vaal Triangle	Body building	Second		
Potchefstroom	Rock climbing	Second		
Potchefstroom	Women's hockey	Second		
Mafikeng	Boxing	Third		
Potchefstroom	Rugby	Third		
Potchefstroom	Hockey	Third		
Potchefstroom	Men's cycling	Third		
Potchefstroom	Netball	Third		

#### Varsity Cup 2014

Campus	Sports code	First, second or third place
Potchefstroom	Athletics	Second
Mafikeng	Soccer	Third
Potchefstroom	Netball	Third

#### Varsity Cup 2015

Campus	Sports code	First, second or third place
Potchefstroom	Athletics	Joint first
Potchefstroom	Rugby	Second
Potchefstroom	Sevens	Third

Each year, many NWU sportsmen and sportswomen are selected for national teams.

### international sports achievements

An athlete from the Potchefstroom Campus won a bronze medal in the 800m at the Commonwealth Games in Glasgow, Scotland. Potchefstroom athletes also brought two gold medals home from the Zone 5 Junior Africa Championships.

A disabled student from the Potchefstroom Campus represented South Africa at the Pan-Pacific Para-Swimming Championships in 2014. A Potchefstroom Campus chess player represented South Africa at the Commonwealth Games in 2014.

A student from the Vaal Triangle Campus is the current world Jet Ski Women's Runabout Stock champion.

### top training venue

A four-star **Sports Village** on the Potchefstroom Campus accommodates national and international sports teams that train at the university.

Elite sportsmen and women from various levels of participation use the top-of-therange facilities at the FNB NWU High Performance Institute (HPI). These facilities include one of the best-equipped sports gymnasiums in Africa and a complete range of sports training, medicine, research, nutritional and sport psychology services.

The Institute for Sport Science and Development provides scientific support services to national and provincial sports federations, the North-West Academy of Sport, and various sporting codes on our campuses.



## our research

Research at the NWU is organised according to a research entities model with four levels. These are niche areas (the entry level entity), focus areas, units and, ultimately, centres of excellence.

#### Centres of excellence

Centre of Excellence for Nutrition (CEN) | Centre for Space Research Centre of Excellence for Pharmaceutical Sciences (PharMaCen)

#### **Research units**

Unit for Energy Systems | Unit for Reformed Theology and the Development of the South African Society | Unit for Business Mathematics and Informatics (BMI) | Unit for Languages and Literature in the South African Context | Unit for Environmental Sciences and Management | Research Unit: Development in the South African Constitutional State | Africa Unit for Trans-disciplinary Health Research (AUTHER) | WorkWell: Research Unit for Economic and Management Sciences | Education and Human Rights in Diversity (Edu-HRights)

#### **Focus areas**

Ancient Texts | Community Psychosocial Research (Compres) | Human Metabonomics | Chemical Resource Beneficiation | Population and Health | Social Transformation | Understanding and Processing Language in Complex Settings (UPSET) | Hypertension in Africa Research Team (HART) | Physical Activity, Sport and Recreation (PhASRec) | Tourism Research in Economic Environs and Society (TREES) | Enabling Optimal Expression of Individual, Social and Institutional Potential (OPTENTIA) | Quality in Nursing and Midwifery (INSINQ) | Material Science Innovation and Modelling (MaSIM) | Self-directed Learning (SDL)

#### Niche areas

Medicine Usage in South Africa (MUSA) | Lifestyle Diseases | Food Security and Safety in the North-West Province | Musical Arts in South Africa: Resources and Applications (MASARA) | Trade and Development (TRADE) | Multilingual Speech Technologies (MuST) | Visual Narratives and Creative Outputs through interdisciplinary and Practice-led Research | Occupational Hygiene and Health Research Initiative (OHHRI) Several centres, platforms and institutes are hosted at the NWU, mainly on the Potchefstroom Campus. They are the following:

- DST/NWU Preclinical Drug Development Platform
- DST HySA Infrastructure Centre of Competence in hydrogen production, storage, reticulation and safety codes and standards

### research chairs

The Department of Science and Technology (DST) has awarded five research chairs to the Potchefstroom Campus. These chairs are in Coal Research, Early Detection and Prevention of Cardiovascular Disease in Africa, Nuclear Energy, Astrophysics and Space Research, and Biofuels and other clean alternative fuels. The campus also has four externally funded research chairs:

ETDP/SETA Chair in Early Childhood Education, the Nutricia Research Foundation Chair in Clinical Nutrition, the Eskom Chair in Emission Control and the Janssen Chair in Nursing Science.

## research scoreboard the total weighted research output units increased from 798 in 2004 to 2 160 in 2014 = 170,6 % growth







 DST Centre of Excellence in Indigenous Knowledge Systems (IKS)

The NWU also has a commercial research entity:

 Centre for Pharmaceutical and Biomedical Services

	2010	2011	2012	2013	2014
Conference proceedings	43	84	50	120	116
Article equivalents published (total)	598	734	869	1 170	1 140
NRF-rated researchers	117	125	140	169	190
Total weighted research output	1 318	1 483	1 793	2 180	2 160

All research outputs reported are as submitted to the Department of Higher Education and Training on 15 May 2015.

### our researchers

On average, our academic staff members spend 40% of their time conducting research, which is in line with our Institutional Plan.

At the end of 2014, we had 190 NRF-rated researchers.



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To encourage more academic staff to apply for ratings and raise their research output. the NWU provides training on preparing abstracts and conference papers, article writing and best practices in preparing research questionnaires.

We are also broadening our pool of research skills by actively recruiting more master's and doctoral students. In 2014, a total of 2 919 students were registered for master's and 1 341 for doctoral studies.







reaistered for doctoral studies

# our focus on internationalisation

Through collaboration with other universities and institutions internationally, we are actively positioning the NWU in the global arena. The International Office coordinates and facilitates our internationalisation activities, which include student and staff exchange and cooperation in academic, research, cultural and sports matters.

The NWU's growing international profile is attracting more and more international students. In 2014, we had 3 678 students from 64 countries, including 343 doctoral candidates.

# national and international cooperation

The NWU has relationships with numerous universities and other entities in South Africa and abroad. These include the following:

universities abroad	Hokkaido University, Japan Vrije Universiteit, Amsterdam Katholieke Universiteit Leuven, Belgium University of Glasgow	Potsdam University, Germany Nuffic, the Dutch Association of Universities Uppsala University, Sweden University of Antwerp, Belgium
international bodies	United Nations Educational, Scientific and Cultural Organisation (Unesco) European Union G20 Youth Forum European Scientific Institute	World Trade Organisation World Health Organisation World Bank Association of Energy Engineers (international body)
national bodies	National Research Foundation's Astronomy Advisory Council The National Language Association for Afrikaans South African Medical Research Council	Academy of Sciences of South Africa (ASSAF) National Union of Mineworkers (NUM) South African Centre of Excellence for Nuclear Education, Science and Technology
industry	MINTEK Rand Water Rheinmetall Denel Munition	Eskom Sasol ArcelorMittal

Provincial governments, including North West, Gauteng and the Free State

National departments, including the Department of Higher Education and Training and the Department of Energy

Local communities, including Bakgatla-Ba-Kgafela and the Royal Bafokeng

Local municipalities, including the Tlokwe Municipality

# our innovation

**THRIP income:** In 2014, we received a total of **R40 125 914** in Technology and Human Resources for Industry Programme (THRIP) funding, which was among the highest of all universities in South Africa. This reflects reflects our vigilance in pursuing sustainable collaboration with the private sector and the public sector.

**Income through innovation:** Patents and income from product sales generate around R3 million a year. Of the 53 RSA-patented inventions in our Intellectual Property portfolio, 21 are registered in various other countries, spanning 47 different countries in total.

**Spin-off companies:** The NWU forms innovative small and medium-sized spin-off companies as part of our commercialisation strategy, and we hold equity in some of these.

Currently, we have 18 spin-off companies, 10 of which are active.

# our community engagement

Sharing our expertise is intertwined in our core business and includes community engagement.

Some of these activities generate third stream income, such as when we present short courses, offer consulting or other services, and enable technology transfer.

However, our community engagement activities are often not for profit. Rather, they enable staff and students to uplift, engage and develop the community through developmental engagement, community service projects, discipline-based outreach and volunteering.

### community engagement projects

To uplift, develop and engage communities, we:

- build houses and create jobs for the foster parents caring for orphans affected by HIV/Aids
- train rural women to make various products that they sell in South Africa or export overseas
- provide pre-school and after-school recreation facilities for orphans
- train pre-school caretakers in educational techniques and assist with the formalisation and development of informal day care centres
- share our expertise on community radio programmes, for instance about legal matters



- teach farm women about healthy nutrition and assist them to generate income from sewing and glass-making
- provide free legal services to people who cannot afford legal counsel
- provide primary animal health care services to people who cannot afford veterinary services
- coach and equip men to fulfil their role in local communities through our Father a Nation (FAN) project
- support international initiatives such as the campaign against women and child abuse, and national campaigns, for example those organised by the Cancer Association of South Africa (CANSA)
- train members of NGOs to manage their projects sustainably and profitably
- encourage our engineering students to undertake projects to improve local communities' quality of life, for instance by designing insulation panels for informal housing.

### partnering with schools

- Through our Ikateleng project we prepare promising grade 12 learners for their matriculation examinations and the challenges of university life.
- Our Schools as Thinking Communities project assists teachers with thinking skills and strategies.
- The Bridging the Mathematical Gap (BTMG) programme assists grade 12 learners to improve their maths performance.
- We present a Winter School where staff and students offer supplementary teaching.
- We offer training for teachers, office-based staff and education leaders.
- We run projects to help increase the number and readiness of students enrolled for science, engineering and technology studies at universities.
- We assist early childhood education practitioners to run their centres more effectively and to provide quality education to pre-primary children.
- We teach music to talented young musicians.
- We provide interpreting services in two schools, making multilingual learning possible.
- We train teachers to become soccer coaches, referees and managers.
- We adopt sports teams to enhance their performance and to make them aware of tertiary education opportunities.
- We organise astronomy quizzes for grade 7 learners to promote interest in science.
- We host the Science Week for grade 4 to 12 learners.
- We visit schools to help them with natural science experiments and donate MyLab sets to demonstrate chemical experiments to learners.
- We organise life skills groups at certain schools (and also in the broader community).
- We help to establish new libraries at schools, or assist existing ones to expand.
- We supplied the technology to ensure purified water for a village and school.

### involving students

We teach our students that it is important to contribute to society through volunteerism:

The money raised during the annual Rag and other projects is distributed to communitybased charities or to NWU academic staff involved in community projects.

The Potchefstroom Campus has been the biggest registered student welfare organisation in the world since 2006 and received the international 2012 MacJannet prize from the Talloires Network for their good work and global citizenship. In 2015, they donated about R1,4 million to deserving projects and individuals. In addition, the campuses hold fundraising events such as golf and jazz days and cycling events to ensure that needy students eat two balanced meals every day.

Students also do voluntary community service at local children's homes, shelters for the homeless, old age homes and the Society for the Prevention of Cruelty to Animals.

# our finances

The NWU is a financially stable institution that runs at a profit and has a growing income.

total income 2014 = R 3 206 million

	2009	2010	2011	2012	2013	2014
Total income	R1 827m	R2 002m	R2 318m	R2 702m	R2 973m	R3 206m
Surplus (recurrent items)	R58m	R37m	R63m	R103m	R17m	R109m
Staff cost/total cost	50,7%	52,8%	52,4%	52,2%	51,5%	52,6%
Self-generated income	R647m	R642m	R751m	R864m	R944m	R933m
% of income from government	41,5%	44,6%	43,1%	40,8%	39,1%	39,5%
% of income from tuition fees	22,4%	23,6%	24,7%	26,5%	28,4%	31,2%
Capital expenditure on upgrading projects	R81,9m	R60,5m	R53,2m	R82,5m	R69,9m	R76,2m

# YUNIBESITI YA RONA

Ka 1 Ferikgong 2004 Yunibesiti ya Bokone-Bophirima (YBB) e ne ya simolola semmuso go nna karolo ya leano le le atologileng la go fetola thuto e e kwa godimo, ka boikaelelo jwa go dirisa madi ka tshomarelo le go baakanya bothata jwa nako e e fetileng jwa go sa dirweng ga dilo ka go tshwana.

YBB ke setheo sa dikhamphase tse di farologaneng tse di dirang jaaka khamphase e le nngwe fela tse di leng mo diporofenseng tse pedi. Dikhamphase tseno ke khamphase ya Potchefstroom le ya Mafikeng kwa Bokone Bophirima le Khamphase ya Khutlotharo ya Lekwa kwa Gauteng. Ofisi ya Setheo (ofisikgolo) e kwa Potchefstroom gaufi thata le Khamphase ya Potchefstroom.

Mo dingwageng di le mmalwa tse di fetileng, YBB e ile ya akgolwa ke ditlamo tse di kwa ntle ka ntlha ya boeteledipele jwa yone mo ditirong tse di farologaneng.

Leinatshwao la kgwebo la Yunibesiti ya Bokone-Bophirima le na le dikarolo tse pedi, e leng letshwao la kerafo kgotsa letshwaoina – "dikeetane" tse di gokaganang le letshwaofoko, leina la setheo – Yunibesiti ya Bokone-Bophirima.

"Dikeetane" tse tharo tse di gokaganang di tshwantshetsa kutlwano ya Yunibesiti ya Bokone-Bophirima mme mebala e meraro e tshwantshetsa dipharologano tsa methalethale tsa dikhampase tse tharo.

Kwa Yunibesiting ya Bokone-Bophirima, go kopana ga ditalente tse di tlhomologileng, bokgoni le ditshwanelego tsa baithuti le badiri ba rona ba ditso tse di farologaneng go dira gore gantsi re nne le dikgopolo tse diša tsa go dira dilo.

Moano wa rona, Mokgwa o moša wa go dira dilo ka dipharologano, o gatelela ntlha eno.

E bontsha maikemisetso a Yunibesiti a go rata le go amogela ditso tse di farologaneng le go dirisa dipharologano tseno go gagamalela kitso le mekgwa e meša ya go dira dilo, go letla baithuti le badiri ba rona go nna se ba batlang go nna sone le go godisa moya wa rona wa mekgwa e meša ya go dira dilo.





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Produced by Institutional Advancement, NWU

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Photography NWU service providers and colleagues