



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

®

It all starts here™

PROFILE

2013/2014

our brand manifesto

It's not just about education, but the

OPPORTUNITY

that education brings.

This is a place...where **anything** is possible.

A place where **imagination** has no boundaries,
and **dreams** are born.

A place that gives a **voice** to who you **dare** to be.

Where every new day is an **opportunity** to be
the next **greatest, fastest, loudest, proudest**
...the next first.

This is a **place** where **voices** are amplified,
aspirations are visualised,
and **future success** is incubated.

Behind its doors our **destinies** lie...

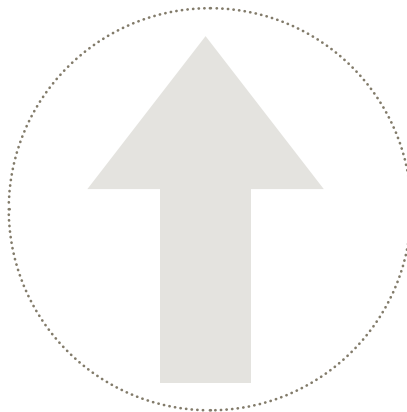
In its pages, our new **legacies** are written;
and in its **diversity**, our unity flourishes.

This is the place
where "what if" becomes "**what is**";
where "if" becomes "**when**";
and "could" becomes "**can**".

The NWU is the **place** where
your best has the
platform to become better.

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yunibesiti ya rona	39



the bigger picture



South African **HIGHER EDUCATION** landscape

23

public higher education institutions in SA

comprehensive universities

6

11 CONVENTIONAL
UNIVERSITIES

6 UNIVERSITIES OF
TECHNOLOGY

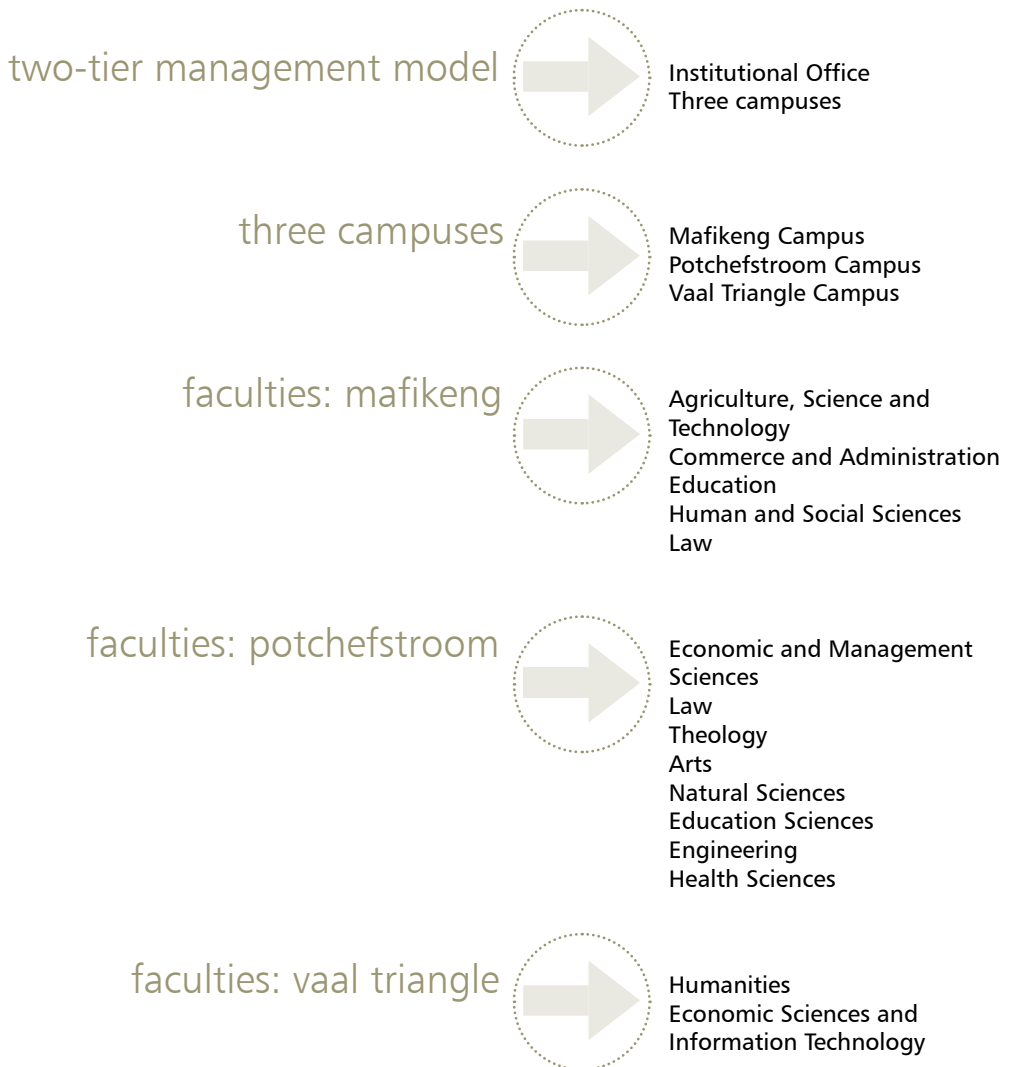
Higher Education South Africa (HESA)
governing body for SA's higher education institutions

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

our management model

a new institution

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



vision

The vision of the NWU is to be a “pre-eminent university in Africa, driven by the pursuit of knowledge and innovation”.

values

The NWU subscribes to the end-values of human dignity, equality, freedom, integrity, tolerance, respect, commitment to excellence, scholarly engagement, academic freedom, justice and transparency. In practice, a condensed set of four instrumental or do-values has been identified, namely integrity, commitment, accountability and respect.

mission

The NWU’s mission is to become a balanced teaching-learning and research university, and to implement our expertise in an innovative way. This the institution will achieve as it lives its values, strives for sound management and pursues transformation, while being locally engaged, nationally relevant and internationally recognised.

According to the 2011 figures of the Department of Education (published in 2012), the NWU rated very good, benchmarked against the other 22 higher education institutions in South Africa. Here is the evidence:

56 641

total head count in **2011**



third largest university in South Africa

25%

graduation rate in **2011**
(the number of degrees as a percentage of the total heads)



joint first in the higher education sector

Teaching-learning scoreboard for 2012

88,2%

undergraduate pass rate



well ahead of the national average

Research scoreboard for 2012

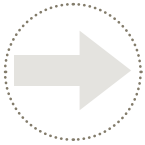
1 830

total research output units



putting the NWU in the same cluster as other top South African research universities

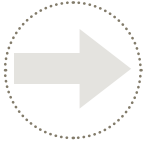
pay-off line



It all starts here



Dit begin alles hier



Gotlhe go simologa fano

Empowerment status:

Black executive directors	44,44%
Female executive directors	11,11%
Black staff (% of total staff)	36,94%
Female staff (% of total staff)	56,82%

Racial composition of contact students in 2013:

Asian	White	Coloured	African	Total
442	16 403	1 141	18 155	36 141
1,22%	45,38%	3,15%	50,23%	

Gender composition of contact students in 2013:

Male	Female	Total
14 766	21 375	36 141

Racial and gender composition of permanent staff in 2013:

Female

Asian	White	Coloured	African	Total
16	1 262	81	488	1 847

Male

Asian	White	Coloured	African	Total
16	804	62	522	1 404

the spirit of the north-west university

The spirit of the North-West University is reflected in the way it unlocks the future for people and enables them to make their dreams come true.

This spirit runs across all our activities and operations, from our academic offerings to the research we conduct, to our management model, campus structure, student body, community engagement and sports achievements. The “keys” that the university uses to unlock the future for its stakeholders, include the following:

unique programmes

The NWU is the only university to offer a Master of Engineering in Nuclear Engineering (on its Potchefstroom Campus), and a master’s degree in Applied Positive Psychology (on its Vaal Triangle Campus).

In addition, the Mafikeng Campus offers the only BScAgric (Animal Health) programme in South Africa that is recognised for registration by the South African Veterinary Council. This campus also launched the first South Africa Quality Authority (SAQA) accredited multi-disciplinary Bachelor of Indigenous Knowledge Systems (IKS) teaching programme in 2013.

Furthermore, the Centre for Business Mathematics and Informatics on the Potchefstroom Campus now offers a new master’s programme in advanced Business Analytics which runs parallel with the Quantitative Risk Management programme.

top research entities

In terms of the NWU’s research entities model, the university boasts three centres of excellence, namely the Centre of Excellence for Nutrition, the Centre for Space Research and the Centre of Excellence for Pharmaceutical Sciences (PharMaCen). All three are situated on the Potchefstroom Campus.

entrepreneurial learning

Academic programmes in entrepreneurship are included in the BCom qualification (specialising in Business Management) and a module on entrepreneurship in the MBA qualification. BSc Consumer Sciences and BSc IT students do a module on problem solving for business that includes creativity.

focus on internationalisation

As globalisation is a phenomenon of the modern era, the NWU focuses on internationalisation through its new International Office. This office coordinates and facilitates the internationalisation efforts of the university, such as student and staff engagements and exchanges, and contracts with regard to academic, research, cultural and sports matters.

royalty fees

Patents and income from product sales generate around R3 million a year in royalties, licence income and product sales. The NWU holds 11 patents in the USA.

sporting excellence

The NWU boasts a Rugby Institute and a Hockey Academy on the Potchefstroom Campus, a Soccer Institute on the Mafikeng Campus, and a Cricket Academy and Rowing Club on the Vaal Triangle Campus.

A University Sports South Africa (USSA)

Several sports teams from our three campuses were crowned USSA champions during 2012. They include teams from sports codes such as karate (winning for the thirteenth consecutive year), athletics (winning for the tenth time in 19 years), women's hockey (winning for the second consecutive year), body building, and ladies cycling.

A Sports Village

A four-star Sports Village on the Potchefstroom Campus accommodates sports teams that train at the university. The Spanish soccer team was the first to make use of this complex when they stayed here during the 2010 FIFA World Cup.

A Top training venue

In 2012, this university was the preferred training destination of 781 international athletes from 35 countries. These sportsmen and women use the top-of-the-range facilities at the FNB High Performance Institute (HPI) of Sport for preparation and training. The facilities and services include the best-equipped sports gymnasium in Africa and a complete range of sports training, medicine, research, nutrition and psychology services.

In 2012 the institute attracted high-profile sports teams, among them England's national rugby league team, their u-17 cricket team and various county cricket teams.

Hailing from other countries were teams and athletes such as the Australian cricket team, the Botswana national soccer team, a French Olympic kayak team and several international triathletes.

South African teams also visited the HPI. They were the South African women's soccer team, Banyana Banyana, the Kolkata Knight Riders IPL cricket team and the Kaizer Chiefs soccer team. The HPI also assisted with North West Cricket's international coaching camp and with several international tennis tournaments. International athletes who trained at the HPI during the years leading up to the 2012 London Olympic Games, won a total of 19 Olympic medals.

A Centre of specialisation

The Institute for Sport Science and Development (ISSD) renders scientific support services to the World Cycling Center - Africa (WCC-A), the North-West Academy of Sport, the PUK Rugby Institute and Hockey Academy on the Potchefstroom Campus and the Soccer Institute on the Mafikeng Campus. The institute has been a member of the International Association of High Performance Sports Training Centres for the past 11 years.

A World-class cycling tracks

The construction of an outdoor BMX Supercross cycling track and an indoor area with a banked wooden track for cycling racing (Velodrome) at the Lakeside Resort, Potchefstroom Dam is already underway. National, international and African cyclists and cycling teams will be able to use the tracks for training, skills development and competitions. The Velodrome will be the first and only one of its kind in Africa.

our university

The North-West University (NWU) officially came into being on 1 January 2004.

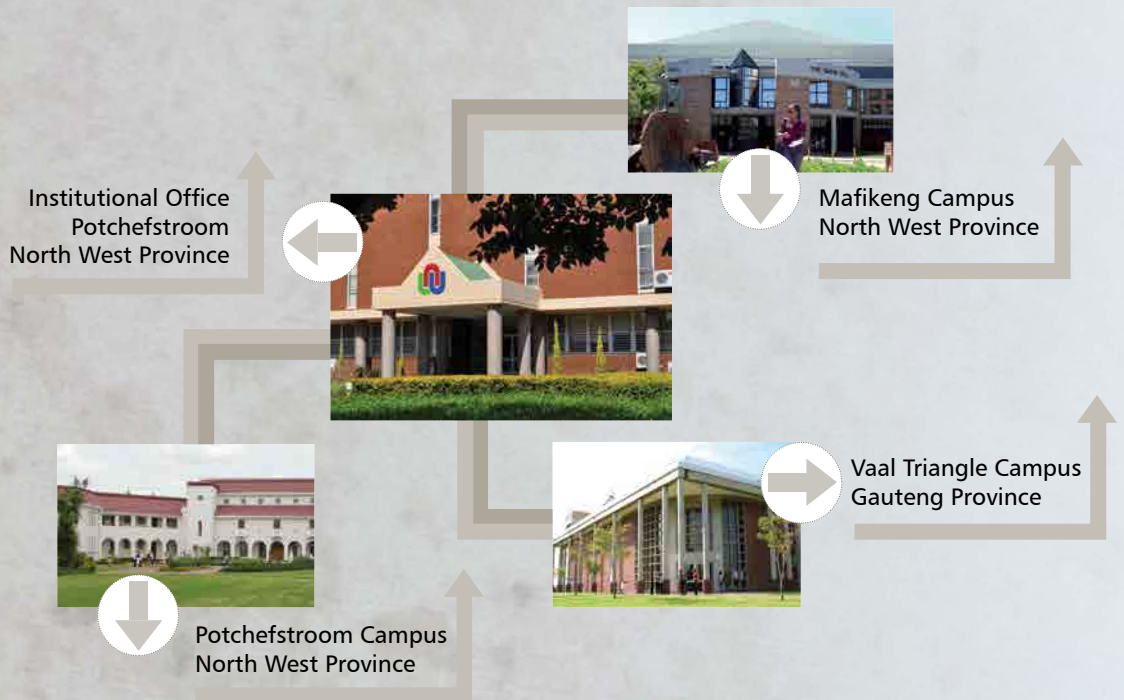
The institutions that came together to create the NWU were the Potchefstroom University for Christian Higher Education and the University of the North-West. The staff and students of the Sebokeng Campus of the Vista University were also incorporated.

The NWU is a unitary multi-campus institution with campuses spread across two provinces. These are the Potchefstroom and Mafikeng campuses in North West and the Vaal Triangle Campus in Gauteng. The Institutional Office (head office) is situated in Potchefstroom in close proximity to the Potchefstroom Campus. Each campus has its unique characteristics.

The **Mafikeng Campus**, for instance, is located in the capital of the North West Province and boasts an international ambience, with 357 international students from 24 different countries enrolled there in 2012.

Situated on the banks of the Vaal River in a proclaimed nature reserve, the **Vaal Triangle Campus**, with its diverse population, boasts a unique environmental setting, with various species of game roaming the campus grounds.

The **Potchefstroom Campus**, which is the largest and oldest NWU campus, is



situated in the historic university town of Potchefstroom. Although the majority of full-time undergraduate classes are conducted in Afrikaans, various measures are in place to facilitate and enhance access and success, for instance educational interpreting services into English in certain niche teaching programmes.

effective management

With specific focus on effective management of the geographically separated campuses of the university, management processes were adopted from business and innovatively applied to operate the university efficiently.

As the NWU emphasises individual accountability, the Institutional Plan is cascaded via a performance management process into individual performance agreements with managers at all levels, and eventually all academic staff.

our brand identity

The North-West University's visual identity comprises consistent use of the logo, corporate colours, style guides, visual language and concepts approved by the Institutional Branding, Marketing, Communication and Advancement Committee.

These guidelines are set out in the Corporate Identity Manual. We also have a brand policy, dealing with processes and rules to follow with regard to marketing and communication material that contribute to positioning the NWU.

our logo

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



our management teams

As a result of the geographical distribution of its campuses, the NWU has adopted a two-tier management model suited to its operations.

This model consists of a core institutional layer that ensures university-wide consistency in policies, systems and procedures, and the three campuses that operate as decentralised and coordinated business units. Dr Theuns Eloff, the vice-chancellor, is the NWU's chief executive and accounting officer, responsible to the NWU Council for the institution's overall performance.



The members of the Institutional Management are at the back from left Ms Phumzile Mmope (Executive Director: Institutional Advancement), Prof Johan Rost (Executive Director: Finance and Facilities), Prof Dan Kgwadi (Rector: Mafikeng Campus), Prof Herman van Schalkwyk (Rector: Potchefstroom Campus), Prof Thanyani Mariba (Rector: Vaal Triangle Campus) and Mr Victor Mothobi (Executive Director: Human Capital). In the front are Prof Martin Oosthuizen (Deputy Vice-Chancellor: Teaching-Learning), Mr James Botha (acting Institutional Registrar), Dr Theuns Eloff (Vice-Chancellor), and Prof Frikkie van Niekerk (Deputy Vice-Chancellor: Research, Innovation and Technology).

our management team: mafikeng campus

Prof Dan Kgwadi, rector of the Mafikeng Campus, stands at the helm of a diverse and focused campus management team. He is supported by a vice-rector, the deans of the various faculties, a campus registrar and directors of support departments.



Prof Dan Kgwadi
Campus rector



Prof Mashudu
Davhana-
Maselesele
Vice-Rector:
Academic and
Research



Prof Eno Ebenso
Dean: Faculty
of Agriculture,
Science and
Technology



Prof Sonia
Swanepoel
Dean: Faculty of
Commerce and
Administration



Prof Dawid
Gericke
Dean: Faculty of
Education



Prof Petrus Botha
Dean: Faculty of
Human and Social
Sciences



Prof Melvin Mbao
Dean: Faculty
of Law



Mr Robert Kettles
Campus registrar



Mr Etienne
Mostert
Director: Finance



Mr Koos
Degenaar
Director:
Marketing and
Communication



Mr Lester
Mopolokeng
Executive
Manager: Office
of the rector



Vacant
Dean of Students

our management team: potchefstroom campus

Harnessing the first-rate expertise of his campus management team, Prof Herman van Schalkwyk leads the way on the Potchefstroom Campus. He is assisted by two vice-rectors, Prof Mariëtte Lowes (Vice-Rector: Teaching-Learning) and Prof Amanda Lourens (Vice-Rector: Research and Planning), the deans of the various faculties, a campus registrar and several directors of support departments.



Prof Herman van Schalkwyk
Campus rector



Prof Mariëtte Lowes
Vice-Rector:
Teaching-Learning



Prof Amanda Lourens
Vice-Rector:
Research and Planning



Dr Tom Larney
Campus registrar
(Acting)



Prof Jan Swanepoel
Dean: Faculty of Arts



Prof Kobus Pienaar
Dean: Faculty of Natural Sciences



Prof Fika Janse van Rensburg
Dean: Faculty of Theology



Prof Robert Balfour
Dean: Faculty of Education Sciences



Prof Nicola Smit
Dean: Faculty
of Law



Prof Susan Visser
Dean: Faculty of
Economic and
Management
Sciences



Prof LJ Grobler
Dean: Faculty of
Engineering



Prof Awie Kotzé
Dean: Faculty of
Health Sciences



Prof Rickus Fick
Dean: Student
Affairs



Mr Bobo van der
Westhuizen
Chief Director:
Finance and
Facilities



Mr Theo Cloete
Director:
Marketing and
Communication

our management team: vaal triangle campus

Prof Thanyani Mariba is the Rector of the Vaal Triangle Campus. Manning the frontline with him is Prof Linda du Plessis, Vice-Rector: Academic, Quality and Planning. The rest of the management team comprises deans, a campus registrar and two directors.



Prof Thanyani
Mariba
Campus rector



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



Ms Elbie Steyn
Campus registrar



Prof Tinie Theron
Dean: Faculty of
Humanities



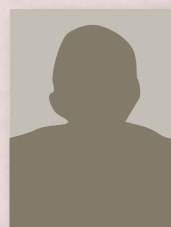
Prof Herman van
der Merwe
Dean: Faculty
of Economic
Sciences and
Information
Technology



Mr Warren
Makgowe
Director:
Marketing and
Communication



Mr Herman Steyn
Chief Director:
Finance and
Facilities



Vacant
Dean of Students

our road to success

Looking at the summary of the NWU's achievements with regard to its core business, it is evident that the achievement curve has increased during the past few years. This applies to almost all achievement indicators, as shown in the table below.

	2008	2009	2010	2011	2012
Total student enrolment	47 008	50 589	55 732	56 641	58 752
- Contact	25 740	26 853	29 243	31 663	34 389
- Distance	21 268	23 736	26 489	24 978	24 363
Undergraduate pass rate	81,2%	83,6%	83,5%	85,2%	88,2%
Graduation rate	26,2%	26,6%	27%	25%	25%
Degrees and diplomas awarded	12 337	13 445	15 083	15 904	14 669
Master's degrees awarded	583	659	633	639	670
PhDs awarded	100	123	129	115	154
Total publication equivalents	503	448	591	773	935
NRF rated researchers	103	116	117	125	140
Total research output	1 084	1 186	1 330	1 483	1 830
Total income	R1 671m	R1 827m	R2 002m	R2 318m	R2 713m
Surplus (recurrent items)	R82m	R58m	R37m	R63m	R104m
Staff cost/total cost	48,4%	50,7%	52,8%	52,4%	50,1%
Self-generated income	R644m	R647m	R642m	R751m	R864m
% of income from government	40,0%	41,5%	44,6%	43,1%	41%
% of income from tuition fees	20,3%	22,4%	23,6%	24,7%	26,5%
Capital expenditure on upgradings	R69,2m	R81,9m	R60,5m	R53,2m	R52,9m

our academic offerings

At the North-West University, it is not so much about education, but the opportunities that education brings. In other words, the NWU offers more than just an education: we offer people a place in the world.

Our academic offering provides students with great choice and flexibility, enabling them to fulfil their full potential and start developing their careers.

Apart from offering a number of academic programmes that cannot be found at other South African universities, the wide variety of campus programmes are also complemented by the NWU's geographic reach.

In addition, the NWU has the second largest distance learning unit in South Africa, currently offering distance learning programmes to 24 363 students. This group comprises mainly education, but also nursing and theology students.

This unit boasts close to 50 facilitation and 100 examination centres. These are spread throughout South Africa, while some are also situated in Southern African Development Community countries, and one in London.

interpreting services

In line with our policy of functional multilingualism, the NWU provides academic interpreting services for students. The main service is rendered on the Potchefstroom Campus, where approximately 26% of all modules are being interpreted.

The most important reason for offering the interpreting service on this predominantly Afrikaans-speaking campus is to facilitate access for non-Afrikaans-speaking students in certain fields of study.

Interpreting services are also provided on the Mafikeng and Vaal Triangle Campuses in certain modules and will be expanded in 2014.

At the Mafikeng Campus, interpreting takes place from English to Setswana, and on the Vaal Triangle Campus interpreting currently takes place from English to Afrikaans. On the Potchefstroom Campus, education students from the Royal Bafokeng nation receive simultaneous interpretation in Setswana in all their subjects to teach them to educate in their mother tongue.

developing critical skills for the country

The university focuses on developing scarce and strategic skills:

- A The NWU has the largest open distance learning teacher education unit in the country and offers education programmes for already employed teachers. In 2012, the NWU awarded 7 286 education qualifications, the majority to teachers who are looking to improve their qualifications.
- A In response to a country-wide shortage of foundation-phase teachers who are equipped to teach in the vernacular, groups of students are educated in their mother tongue, Setswana.
- A It is also one of the NWU's priorities to address the dire shortage of approximately 22 000 accountants



in the country. The NWU does this by offering four professional accountancy degrees, namely Forensic Accountancy, Chartered Accountancy, Management Accountancy and Financial Accountancy. The NWU is the only university in South Africa offering all four specialisations in accountancy at undergraduate level.

nwu campuses

Each of the NWU's three campuses has definite strengths and capabilities, in line with the university's strategic direction of both unity and diversity.

mafikeng campus

The Mafikeng Campus is the second largest of the NWU's three campuses, with 10 256 students enrolled in 2012, of whom 1 542 were enrolled for distance programmes. It has five faculties, namely Agriculture, Science and Technology, Human and Social Sciences, Education, Commerce and Administration,

and Law. The campus offers various unique programmes:

A **Transport Economics and Logistics Management**

Established in response to identified critical scarce skills in South Africa, this programme is one of the flagship programmes in the country.

A **Animal health**

The large Animal Health complex houses at the Dale Beighle Centre for Animal Health Studies amongst others a modern animal clinic to enhance the undergraduate teaching programme, and large diagnostic and research laboratories to facilitate postgraduate studies.

A **Indigenous Knowledge Systems (IKS)**

The IKS centre offers a four-year Bachelor of IKS with specialisation options in agriculture, science and technology, health, information

and communication technology, and arts and culture. The latter includes languages from where research programmes for master's and doctoral degrees will evolve.

(Indigenous knowledge is local knowledge and practices that are unique to and developed within a particular culture or society.)

A Centre for Applied Radiation Science and Technology (CARST)

As a pioneer in applied radiation studies, this centre is mandated to carry out research and build capacity for the nuclear industry in South Africa. The centre offers programmes at honours and master's degree level.

A Centre of legal teaching and learning

The Faculty of Law's quest for justice and democracy is reflected in its undergraduate and postgraduate programmes. Its LLB programme is very popular, with students hailing from as far afield as Botswana, Cameroon, Nigeria, Zimbabwe and Zambia.

A Improving the quality of education in South Africa

The Faculty of Education has positioned itself to address the critical shortage of teachers in the country by training new teachers as well as improving the skills of those teachers who are already qualified through continuous professional development.

A Academics shine

Three academics received national awards for outstanding contributions in their fields.

An academic from Chemistry was named Most Influential Woman in Science in South Africa, while another one, this time from Education, received a national teaching excellence award made by the Higher Education Learning and Teaching Association of Southern Africa. A seasoned lecturer and researcher from Mathematical and Physical Sciences won the 2012

award for International Leadership in Research.

Two experts in the field of information systems received the Best Paper Award at the 19th International Business Information Management Association conference in Spain.

The dean of the Faculty of Law was appointed by the government of the Republic of Zambia to join a group of experts who advise the technical committee drafting a new constitution for Zambia.

A A career in sports

A Soccer Institute was established on the Mafikeng Campus at the beginning of 2007. In addition to soccer training, students also receive academic training. They can for instance enrol for a bachelor's degree of their choice, or a three-year diploma in Sports Sciences. Future plans are to establish a soccer-specific sports science programme at both under- and postgraduate level.

potchefstroom campus

This largest of the NWU's campuses had 42 338 students registered in 2012, of whom 22 706 were enrolled for distance programmes. The Potchefstroom Campus accounts for most of the NWU's research output and National Research Foundation-rated researchers and has eight faculties. These are Arts, Natural Sciences, Theology, Education Sciences, Economic and Management Sciences, Law, Engineering, and Health Sciences. In addition, the campus boasts 21 research entities and a number of centres and institutes where all research activities take place.

A International recognition

The Honours BSc Quantitative Risk Management (QRM) programme of the Centre for Business Mathematics and Informatics® (Centre for BMI) has received international recognition from two global professional risk management bodies.



A **Excellent programmes**

In recent years, experts from Australia, the Netherlands, Uganda and England declared the programmes in the School of Continuing Teacher Education (SCTE) to be of a standard that compares to the best in the world.

A **Academic at the helm**

A seasoned linguist and director of the School of Languages is the national chairperson of the “Nasionale Taaliggaam vir Afrikaans” (the national language association for Afrikaans), the Afrikaans Language Museum and Monument association, and the South African Academy for Science and Art.

A **Sought-after awards**

The dean of the Faculty of Economic Sciences and Management has been named one of the country’s most influential women in education and training. She received the award in the business magazine, CEO’s competition.

The dean of the Faculty of Engineering received the Green Industry Leader Award at the Green Supply Chain Awards in 2012. He was also elected as first non-American president of the Association of Energy Engineers. In addition, a lecturer from Engineering won a national teaching excellence award made by the Higher Education Learning and Teaching Association of Southern Africa.

A **World-class fabrication laboratory**

The Faculty of Engineering boasts a world-class fabrication laboratory (Fablab) where people can use technology to transform almost any idea into a design.

A **Soaring globally**

In 2012, two academics from the School for Mechanical and Nuclear Engineering took part in the world glider championships in Texas in the USA, where their 18-m wingspan JS1-Revelation glider, designed within the school, came forth.

A Students excel nationally and internationally

Students from the School for Music did exceptionally well during 2012, ending first in various national music competitions. At the International Mozart Festival two students won bursaries to study at the Musikhochschule in Keulen, Germany in 2013.

Graphic Design students once again scooped many major national design prizes in 2012, including Pendoring and Loerie awards. They also won awards in the International Society of Typographic Designers competition. An honours student's travel video was one of the prize winners in the internationally acclaimed Nomads video competition in 2012.

Law students excelled by winning not only the All Africa Moot Court competition in 2012, but also – for the fourth consecutive year – the LexisNexis Intersarsity Criminal Mock Trial Competition.

Engineering students made history when their solar car was the joint winner of an international competition, the Sasol Solar Challenge. The car was also ranked jointly first on the International Automobile Federation's (FIA's) global ranking list for alternative

energy. In addition, four postgraduate Engineering students are part of a team that is developing a new generation helicopter and airplane in collaboration with Denel Aviation.

A CText®

The Centre for Text Technology (CTeX^T®) does research in human language technology and develops language technology products, such as spelling checkers, for South African languages.

Human language technology allows people to use computers and other technologies in natural languages (such as isiZulu or Afrikaans). The government-funded Language Resource Management Agency (RMA), which CTeX^T manages, aims to help with data development for researchers and developers, thereby facilitating new technologies in more languages.

A Taking training to a new level

The Faculty of Health Sciences uses medical simulation dummies and ultra-modern simulation pharmacies to train medical and pharmaceutical students. They also boast a Unit for Training in Primary Health Care and a Centre for Child, Youth and Family Studies.



A **World Health Organisation Collaborating Centre**

Delivering 40% of South Africa's pharmacists, the School for Pharmacy is the biggest of its kind in the country. The school's Research Institute for Industrial Pharmacy – incorporating the Centre for Quality Assurance of Medicines – is also designated by the World Health Organisation (WHO) as a WHO Collaborating Centre for the Quality Assurance of Medicines.

A **Pioneers in extrusion**

Extrafrica, a training initiative in the Centre of Excellence in Advanced Manufacturing, organises training seminars and an annual international food extrusion conference, supporting the local food extrusion industry. Extrusion is a process used to manufacture products in the food, feed, plastic, powder paint and compounding industries.

A **Unique drug delivery technology**

Researchers from the Unit for Drug Research and Development have developed a unique drug delivery technology, known as Pheroid™, for more effective treatment of diseases such as malaria and for the delivery of large drug molecules across the skin.

A **International player in HIV/AIDS treatment**

Another cutting-edge accomplishment is the university's participation in an international consortium that won a \$7 billion tender to contribute to the United States' President's Emergency Plan for Aids Relief (PEPFAR).

vaal triangle campus

Although the smallest of the three campuses, with 6 158 registered students in 2011, this campus is a powerhouse of academic expertise.

The campus has two faculties, namely the Faculty of Humanities with four schools,

and the Faculty of Economic Sciences and Information Technology with three schools.

A **Teaching-learning activities**

To support its students, the campus took the following steps: Supplemental Instruction was extended to include 96 modules (75 in 2011) and 190 SI leaders (114 in 2011). (More about SI on p 22.) The campus also increased the number of sites for the Learning Management System, known as eFundi, to 731 in 2011.

In addition, a peer mentoring programme for first-year students was introduced to all on- and off-campus residences. It is envisaged that the programme will be extended even further to include the two day residences in 2013.

A **Enhancing language and writing skills**

A Language and Writing Laboratory was set up by the School of Languages to help students use language more effectively. Here the students are assisted with argumentation skills, paragraphing, referencing and conceptual structuring to assist with the process of academic writing.

A **Research is a focal point**

The campus has three research focus areas, namely Understanding and Processing Language in Complex Settings (UPSET), Enabling Optimal Expression of Individual, Social and Institutional Potential (Optentia) and Multilingual Speech Technology (MUST).

UPSET's vision is to systematically investigate how people understand and process language in complex settings, specifically working in the domains of language practice (translation studies) and multilingualism.

Optentia aims to develop knowledge about how individual, social and institutional potential can be optimally expressed and to make this knowledge available to individuals and decision makers.

MUST focuses on developing the scientific and technological foundations that will make it possible for speech technologies (such as speech recognition and speech synthesis) to have significant impact in the developing world.

The School of Basic Sciences (within the Faculty of Humanities) established the research focus area, PARSED (Public Affairs Research for Service Delivery).

In addition to the above-mentioned research entities, other potential niche areas were also identified:

- ⇒ Ancient Texts
- ⇒ Enterprise Knowledge and Systems
- ⇒ Local Economic Development (LED)
- ⇒ Applied Risk Management (ARM)

The **Serious Games Institute SA**, which is a joint venture between Coventry University in the United Kingdom and the Faculty of Economic Sciences and Information Technology, was launched in 2011. By using special simulation games, people are trained in subject fields such as socio-economics, regional planning, and risk assurance.

The Vaal Triangle Campus also has a **Skills Development Unit (SDU)**, which offers short courses and workshops in various fields, such as project management, labour relations, and management and computer skills. Local governments, the Gauteng Department of Education and the South African Football Association are a few of the companies that have benefited from these programmes.

The **Enterprise Development Centre (EDC)** represents an entrepreneurial development initiative for students and for community members and businesses in the Vaal Triangle region. In essence, the EDC is empowering anyone to become entrepreneurs. It forms part of the Bhive project (Bridging Business

and Education by Establishing a Hub of Innovative Ventures and Expertise). The Bhive is the result of a 1,8 million Euro grant from the Netherlands.

The **Unit for Applied Risk Management** addresses the need for postgraduate risk management education and applied risk research. The focus is on senior, executive management and board members of financial institutions.

promoting academic performance

An important factor of academic performance at university level is well-developed skills in learning, reading, life skills and academic literacy.

The NWU offers several programmes to help students overcome skills gaps. One of these entails academic literacy and skills tests undertaken by all first-year students of the NWU to determine whether they should benefit from the additional academic literacy module offered to all first years, as well as other skills programmes offered by the NWU.

A compulsory module in academic literacy is offered on all NWU campuses. In addition, other compulsory modules, helping students to understand the world as a set of related systems, have been phased into all academic programmes at the second- and third-year levels.

The NWU also invested in the institution-wide implementation of Supplemental Instruction (SI) on all campuses. SI is a student academic support system, developed and used worldwide. SI provides extra group study sessions in the difficult modules, facilitated by trained SI leaders who are senior students who have already successfully completed the targeted module.

The NWU believes in the all-round enabling of students so that they are well prepared to embark on successful careers, contribute to society and live balanced, purposeful lives.

The NWU wants to be the place where students not only reach academic excellence, but also give wings to their imagination, visualise their aspirations and incubate future success in all of life's spheres. Campus life is therefore geared to holistic growth and development, as is clear from the wide range of cultural, sport, counselling and well-being activities in which students are encouraged to participate.

student profile

Diversity is the defining characteristic of the NWU's student profile. This is to be expected, considering that the university has three campuses spread across two provinces. It is also welcomed, as it reflects the dynamics and demographics of South African society.

The NWU sees this as a competitive advantage for students, because by working and learning together, they develop strength from their diversity and grow in their ability to communicate and interact.

In 2012, the NWU student profile looked like this:

Campus	Students
Mafikeng	10 256
Potchefstroom	42 338
Vaal Triangle	6 158
TOTAL	58 752

undergraduate versus postgraduate

By far the majority of students are undergraduate students, with 44 361 studying towards bachelor's degrees or diplomas in 2012. However, the NWU also had significant numbers of postgraduate students:

Master's students	2 828
Doctoral students	1 048
TOTAL	3 876

study choices

In 2012, some of the study choices of students studying at the NWU were the following:

Major field of study	Contact	Distance	Total (%)
Science, engineering, technology	11 075	625	19,91%
Business/management	9 479	29	16,18%
Education	4 414	20 970	43,2%
Other humanities	9 421	2 739	20,69%

This profile can be expected to shift more towards the natural sciences and commercial disciplines, in line with the NWU's Institutional Plan.

student facilities and infrastructure

The NWU is investing extensively in student facilities and infrastructure, with the aim of offering the best possible learning and extracurricular development opportunities to students.

In the course of the next three years, the university will spend approximately R380 million on new buildings and on upgrading existing buildings and equipment on the three campuses.

The biggest project for the period 2012 to 2015 is being tackled on the Mafikeng Campus. It entails building and furnishing two new student residences at a total cost of R76,9 million.

The second-biggest project, to the value of R54,7 million, is the construction and furnishing of a new building for Pharmacy on the Potchefstroom Campus.

Some of the other big projects include the construction and furnishing of a new building for Nursing and the second phase of the building for Natural Sciences, both on the Mafikeng Campus.

A modern library is being built on the Vaal Triangle Campus. That campus is also getting a new building for African Languages, Human and Social Sciences, as well as a new residence. At the Potchefstroom Campus, the first new residence since the merger was completed in 2013.

hiv/aids

The NWU's HIV/AIDS programme for staff forms part of the university's Employee Health and Wellness Programme, while the programmes for students falls under the campus deans.

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

career centre

The Career Centre plays a vital role in promoting employability amongst NWU students through liaison with employers, and services to both employers and students. The centre invests substantially in ensuring relevant curricula that will assist in delivering graduates who can plough back their skills into the developing economy in South Africa.

In addition, the centre has support structures in place to help students to develop an understanding of the world of work and the kind of qualities that employers are looking for in graduates.

extracurricular development

The NWU offers students many opportunities to develop their talents by participating in sport, arts, cultural and other extramural activities.

cultural activities

The **Mafikeng Campus** has distinguished itself in art, music, choral and multicultural drama, with the campus choir winning first place for three consecutive years in the regional championships of the Telkom/Old Mutual choral championships.

The **Potchefstroom Campus** hosts the renowned NWU-PUK Choir, the Boulevard Harmonists, an a capella ensemble, and the NWU-PUK Serenaders.

In addition, the campus boasts the NWU-PUK Symphony Orchestra, the Buzzin' Brass Ensemble, the Thalia Drama Society, the Disfunctional Beat Dance Society, the NWU-



PUK Amici male voice ensemble, and Divaco, a cultural society celebrating Cape culture through drama, dance and music.

In 2013, the campus celebrated the 30th anniversary of the annual Campus Arts Talent Festival with a big gala event, with performances from category winners from festivals held during the past three decades.

The **Vaal Triangle Campus** is in the final stages of establishing a radio station. The campus choir, *The Voices of the River*, is well vested and takes part in several regional competitions. An annual Cultural Festival is one of the highlights on the campus calendar with all three NWU campuses taking part.

sport

Sport continues to be a core strength of the NWU's non-academic life. The university can, based on achievements on the sports field, justifiably claim to be one of the top sports universities in South Africa.

To strengthen this reputation, the NWU focuses on seven major sports codes, namely athletics, cricket, hockey, netball, rugby, soccer and tennis. In addition, the university offers opportunities for participation in 30 other sports and recreational activities, including cycling, karate, softball, squash, rock-climbing, table tennis and competitive chess.

smaller sports codes

Smaller sports codes supported on the Mafikeng Campus include chess, karate, volleyball, ju-jitsu, table tennis, boxing, aerobics, badminton, softball and bodybuilding.

The NWU's **body building teams** were crowned the overall winners at the USSA Championships in 2012. The Mafikeng Campus walked away with seven trophies and the Vaal Triangle Campus with six. Other Mafikeng Campus teams performing well at the USSA Championships were the **aerobics** team who brought home five gold, two silver

and two bronze medals, and the **karate** team who won a silver and a bronze medal. The mixed doubles and the ladies' **table tennis** team took fourth place at the USSAS games, as did the ladies' **chess** team.

The Vaal Triangle Campus's **chess** team took part in a tournament overseen by CHESSA (Chess South Africa), with the female chess players finding themselves among the Top 20 in the country. In terms of the campus's national standing, the team are ranked number 12 in South Africa.

Several sports stars on the Mafikeng Campus were also selected for South African teams, for instance the **SA ju-jitsu** presidential team that will be competing in the 2013 United Nations world championships.

A popular sports code on the Vaal Triangle is **dance**, with the team comprising female and male dancers. The dance team successfully represented the campus at the national USSA Championships and the team reached the semi-finals, finishing as one of the top five teams. Five couples reached the semi-finals where one couple took the third place. One of the dancers was elected to serve on the

USSA Dance Executive Committee for the first time and also participated in the national club competition.

Due to the ideal location of the Vaal Triangle Campus on the banks of the Vaal River, the long-term vision is to develop **water sport** as a niche sports code. To achieve this vision, canoe and rowing clubs were established and the rowing club was registered with Rowing SA. Members of the NWU Vaal Watuni Canoe Club took part in several competitions, including the Duzi Canoe Marathon and the gruelling Berg River Ultra Marathon.

The Vaal Triangle Campus recently included small sports codes such as basketball, chess, seven's rugby, mountain biking and a marathon in their new residence league structure.

The smaller sports codes on the Potchefstroom Campus also performed well at the 2012 USSA Championships.

Karate proved itself once again to be one of the most successful smaller sports codes at the NWU when the Potchefstroom Campus's team won the USSA tournament for the 13th consecutive time.



The Potchefstroom Campus's ladies **cycling** team took first place and the **squash** team second place, while the campus's golf, badminton, rock climbing and gymnastics teams came third.

major sports codes

One of the major sports codes supported on the NWU's Potchefstroom Campus is **rugby**, and this campus boasts a highly acclaimed Rugby Institute. Their rugby team finished in second place at the Rugby Sevens Tournament and the USSA 2012 Tournament.

The Vaal Triangle Campus's rugby team participates in the prestigious A Division of the USSA Championships.

Athletics is a popular major sports code on the Potchefstroom Campus, with the **athletics** team winning the USSA tournament for the tenth time in 19 years, bringing home 14 gold medals. The campus also had three athletes and one coach involved at the 2012 Olympic Games and Paralympic Games in London.

An athletic club is being developed on the Vaal Triangle Campus as part of a new sporting initiative.

The Potchefstroom Campus's athletics and **hockey** teams now also participate in the Varsity Cup league that was recently expanded.

In 2012, this campus's women's hockey team were crowned the USSA champions for the second consecutive year. At the 2012 Olympic Games in London, each of the national men's and women's hockey teams had a member of the Hockey Academy in their teams.

The NWU Vaal ladies hockey team participated in the USSA championships (B division) and are the reigning champions of the Southern Gauteng Hockey League.

The Potchefstroom Campus's **cricket** club, boasting 17 teams, is currently the second

largest in the country. Three players from this club played for national teams during the 2012/2013 season.

In 2011, the Mafikeng Campus's cricket team came second in the USSA B section.

The ladies cricket team from the Vaal Triangle Campus won the Gauteng Senior Ladies League during the 2012/2013 season, and two players were elected to represent the Senior Gauteng ladies cricket team.

The men's cricket team retained their position in the competitive A League of the USSA Cricket and is ranked among the top eight university teams in the country, with one player selected for the SA Student side that will participate in the annual SA Colt Week. The cricket club also participates in the North-West Premier League, the Sedibeng Local League and the Gauteng Sunday League.

At the 2012 USSA championships, the Potchefstroom Campus's **netball** team ended fourth in the Super League Division.

The Vaal Triangle Campus's netball team came second in the USSA B division and qualified to participate in the USSA A division in 2013.

Participation in netball increased to such an extent that the campus now participates in the North-West Senior League, the local Vaal Triangle League and the local Action Netball League. Several players represented the region at the national senior provincial competition.

A **tennis** player from the NWU-Puk/Riaan Venter Tennis Academy was selected for the national team participating in the Federation Cup in Montenegro in April 2013.

There are currently 25 students enrolled at the **Soccer** Institute on the Mafikeng Campus. In 2012, this institute came second in the USSA Championships, where one player was announced best goalkeeper of the tournament. On the Vaal Triangle Campus, the women's soccer team maintained their status in the Sasol league. They also take part

in the USSA Gauteng league and at the USSA tournament.

The men's soccer team participated in the USSA Gauteng leagues and in the South African Breweries League.

*** Some of the statistics indicated in this section were not audited.*

as a matter of fact...

A The NWU supports seven major sports codes, namely athletics, cricket, hockey, netball, rugby, soccer and tennis, and also offers 30 smaller sports and recreational activities, ranging from competitive chess to rock-climbing, karate and softball.

A The NWU boasts a Rugby Institute and a Hockey Academy on the Potchefstroom Campus, a Soccer Institute on the Mafikeng Campus, and a Cricket Academy and a Rowing Club on the Vaal Triangle Campus.



To enable the NWU to become a balanced teaching-learning and research university where research finds its rightful place, the university focuses its research and innovation strategy to optimise resources and ensure maximum impact of interventions.

Research at the NWU is organised according to a research entities model. The underlying principle in the identification and development of research entities is that the university and each campus develop research strengths, taking into account existing and relevant expertise and potential, and the needs of the region and the country, within the framework of the long-term research and innovation strategic plan.

The “entry level” research entity is that of a niche area, followed by a focus area, then a unit and ultimately a centre of excellence.

The four levels have specific criteria attached to them, and should show increasing capacity, output, relevance and national and international recognition.

The NWU currently has the following research entities:

A Centres of excellence:

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

A Units:

- ⇒ Unit for Energy Systems
- ⇒ Unit for Reformed Theology and the Development of the South African Society
- ⇒ Unit for Business Mathematics and Informatics
- ⇒ Unit for Languages and Literature in the South African Context

- ⇒ Unit for Environmental Sciences and Management
- ⇒ Unit: Development in the South African Constitutional State
- ⇒ Africa Unit for Transdisciplinary Health Research (AUTHeR)
- ⇒ WorkWell: Research Unit for Economic and Management Sciences

A Focus areas:

- ⇒ Chemical Resource Beneficiation
- ⇒ Social Transformation
- ⇒ Teaching-Learning Organisations
- ⇒ Understanding and Processing Language in Complex Settings (UPSET)
- ⇒ Hypertension in Africa Research Team (HART)
- ⇒ Physical Activity, Sport and Recreation (PhasRec)
- ⇒ Tourism Research in Economic Environments 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)

A Niche areas:

- ⇒ Medicine Usage in South Africa (MUSA)
- ⇒ Population and Health
- ⇒ 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)

research underpins innovation

On average, the university's academic staff members spend 40% of their time conducting research, which is in line with the Institutional Plan. There has also been a marked increase in the number of NWU researchers with ratings from the National Research Foundation (NRF).

Having submitted applications for NRF rating in 2011/2012, the university now has 140 researchers with NRF ratings:

Researchers	
with A ratings	2
with B ratings	17
with C ratings	97
with P ratings	1
with L ratings	2
with Y ratings	21

A Building research capacity

To encourage more academic staff to apply for ratings and raise their research output, the NWU is conducting intensive research capacity building for researchers. Training is underway to enhance the research skills of academic staff, with the emphasis on preparing abstracts and conference papers, article writing and best practices in preparing research questionnaires. Research capacity-building workshops are held on all three campuses.

A Postgraduate recruitment

In addition, the university is broadening its pool of research skills by actively recruiting greater numbers of master's and doctoral students. In 2012, a total of 2 828 students were registered for master's and 1 048 for doctoral studies.

A Increased postgraduate funding

Full-time master's students at the NWU qualify for bursaries valid for two years, worth R16 700 per year. Full-time doctoral

students qualify for bursaries valid for three years, valued at R20 000 per year. In 2012, the university had 114 postdoctoral students from countries such as India, Finland, Hungary, the Ukraine, the Netherlands, Germany and a number of African countries.

A THRIP income

In 2012, the THRIP income paid to the NWU was among the highest of all universities in South Africa. This is indicative of the innovative and relevant research done in close association with industry in the country.

A Researchers on the forefront

Several NWU researchers are sharing their expertise with the world.

- ⇒ The qualifications of the director of the School for Biokinetics, Recreation and Sport on the Potchefstroom Campus put him among the top anthropometrists in the world. In 2012, he was re-elected as president of the International Society for the Advancement of Kinanthropometry (ISAK).
- ⇒ An expert from the School of Environmental Sciences was invited by the science and technology committee of the United Nations' Convention for the Combating of Desertification (UNCCD) to be a member of an ad hoc committee analysing scientific advice on the combating of desertification and drought issues.

A Awards for researchers

Several NWU researchers recently won national and international awards.

- ⇒ A seasoned physicist from the Centre for Space Research received an A1-rating from the National Research Foundation, and won an award from the South African Academy for Science and Arts. He is also a member of the South African Space Agency and the Space Science Expert Group.



- ⇒ A researcher from Educational Sciences was announced one of the *Mail & Guardian's* 200 Young South Africans for her contributions in her field of study.
- ⇒ In 2012, four scientists from the School of Biological Sciences on the Potchefstroom Campus received a prize for the best natural sciences article to appear in Afrikaans in an accredited journal, while a researcher in the Hypertension in Africa Research Team (HART) won a Golden Stethoscope award for the best article published in 2011 in the Cardiovascular Journal of Africa.
- ⇒ The Intelligent Freight Security and Visibility System project in the School of Electrical, Electronic and Computer Engineering recently received the award from the Department of Trade and Industry for the best THRIP project for 2012 in the Advanced High Technology Section.
- ⇒ The director of the Hypertension in Africa Research Team was awarded an AU TWAS (Academy of Sciences for the Developing World) Young Scientists' National Award in the category Life and Earth Sciences.

- ⇒ A scientist in the School of Physical and Chemical Sciences received the much sought after De Beers gold medal for his lifelong contribution to Physics.
- ⇒ The prestigious Education Association of South Africa's (EASA) Research Medal was recently awarded to a researcher in the School of Education Sciences on the Vaal Triangle Campus.

A National and international cooperation

The NWU is cooperating with numerous universities and other entities in South Africa and also abroad. Here are only a few examples of how the university implements its expertise for the benefit of the country, the continent and ultimately the world:

- ⇒ The **Centre of Excellence for Nutrition (CEN)** on the Potchefstroom Campus was recently awarded a project contract of R1 500 000 by the United Nations Children's Fund (UNICEF). This project will entail a survey of compliance to the World Health Organisation's Code for the marketing of breast milk substitutes in four provinces in South Africa.

- ⇒ The British Pharmacopoeia Commission appointed a researcher as member of the Expert Advisory Group MC2 (Medicinal Chemicals) to advise them in carrying out their duties. This researcher is associated with the **Research Institute for Industrial Pharmacy (RIIP)**, incorporating the Centre for Quality Assurance of Medicines (CENQAM)®.
- ⇒ The **Centre for Business Mathematics and Informatics** received about R4,8 million over a period of three years from the Department of Science and Technology (DST) to support research in the field of financial risk analysis.
- ⇒ The **Serious Games Institute-South Africa (SGI-SA)** on the Vaal Triangle Campus is partnering with the European Union on the development of a Mandela 27 Years Project to promote intercultural dialogue in a medium young people are most familiar with.
- ⇒ The **Optentia** research focus area signed a collaboration agreement with the University of Namibia to conduct joint research regarding the flourishing of individuals and institutions, resilience of children and well-being in families.
- ⇒ The research niche area, **MUST**, is collaborating in research initiatives for industry giants such as Google.
- ⇒ The research director of UPSET was invited to join the National Research Foundation task team for Considerable International Recognitions (CIR).
- ⇒ The **Indigenous Knowledge Systems (IKS)** Centre on the Mafikeng Campus was designated as a NEPAD/SANBio Regional IKS Node for the southern African region to co-ordinate IKS network activities that are initiated and supported by NEPAD. The centre runs a project on integrating IKS in biosciences, covering five countries in the region for the period 2010 to 2013.
- ⇒ The **Centre of Applied Radiation, Science and Technology (CARST)** is authorised by the National Nuclear Regulator of South Africa to carry out the activities in the mining sector to improve radiation safety



and nuclear wastes minimization and management.

A Introducing a few research entities

⇒ **Material Science Innovation and Modelling (MaSIM):** This newly established research focus area aims at becoming a leading research and development centre in the area of materials, metal and nanotechnology initiatives for solving problems across South Africa.

⇒ **Food Security and Safety in the North West Province:** The aim of this research niche area is to improve food security among the people in the North West province. Research focuses on livestock production and health, plant food production and agricultural economics and extension.

⇒ **Population and Health:** This research niche area is devoted to the discovery of new knowledge and insights by doing innovative research under two sub-programmes, namely Household health and population change, and Fertility, poverty and HIV/AIDS.

⇒ **Centre for High Performance Computing:** This centre on the Potchefstroom Campus stands out for the high quality of its experimental equipment, which is used for computational-intensive research in a wide range of disciplines.

A New developments

In 2012 the Potchefstroom Campus established a Benchmarks Centre for Corporate Social Responsibility within its Research Focus Area: Social Transformation. This centre monitors the standards of Corporate Social Responsibility in big companies, focusing on the mining sector.

A first of its kind hypertension clinic that focuses on high-level blood pressure research has also opened its doors on the Potchefstroom Campus. In another new initiative, a Centre for Water Sciences was

established on the same campus. A new agreement was also finalised with the Technology Innovation Agency for establishing a national platform in Metabolomics on this campus.

A Hosted entities

Several centres, platforms and institutes are hosted at the NWU, mainly on the Potchefstroom Campus. They are the following:

- ⇒ The DST/NWU Pre-Clinical Drug Development Platform
- ⇒ The Centre for Human Metabonomics
- ⇒ The DST HySA Infrastructure Centre of Competence in Hydrogen production, storage, reticulation and safety codes and standards
- ⇒ The Thedti Centre for Advanced Manufacturing
- ⇒ The DST Centre of Excellence in Indigenous Knowledge Systems (This one is hosted on the Mafikeng Campus)

In addition, the Potchefstroom Campus also has a commercial research entity, namely the Centre for Pharmaceutical and Biomedical Services.

A Research chairs

In 2012, the Department of Science and Technology (DST) awarded the NWU's Potchefstroom Campus two new research chairs, namely Coal Research, and Early Detection and Prevention of Cardiovascular Disease in Africa.

In the same year, Eskom awarded the campus a research chair in Emission Control. The campus also has a research chair in Nuclear Engineering, one in Astrophysics and Space Physics, and a DST/SANERI associate chair in Biofuels and Other Clean Alternative Fuels.

A Income through innovation

Apart from gaining national and international recognition, the NWU's innovativeness is generating alternative sources of income.

Patents and income from product sales generate around R3 million a year.

A Research output

In 2012, the NWU achieved an overall publication output of 935 (journals, estimation of books and proceedings).

Total research output*	2009	2010	2011	2012
	1 186	1 330	1 483	1 830

* Includes research master's, PhDs times three and publications (including an estimation of books, conference proceedings and articles)

A Spin-off companies

The NWU uses the formation of innovative small and medium sized spin-off companies as part of its commercialisation strategy and holds equity in some of these.

Since the merger in 2004, the total technology spin-offs increased from nine to 16 in 2012, of which 13 were still active at the time.

A Setting new standards

As there is no South African precedent that provides appropriate benchmarks for the NWU's innovation drive, the university is developing its own targets based on experience.

Benchmarks include the number of patents registered in South Africa and abroad, the number of new licence agreements, the income from royalties and product sales, and the number of new spin-off companies, NWU subsidiaries and associated companies.

community engagement

The NWU regards the implementation of expertise as an extended activity of the core business of the university, with community development being part of it. With this in mind, the university enables or creates the opportunities for its students and staff to

implement their expertise in communities through various projects.

A Rendering services to local and provincial government or national bodies

⇒ The Department of Arts and Culture appointed the Potchefstroom Campus's **CTeXt** to set up the Resource Management Agency for the management and distribution of reusable text and speech resources from one central point.

⇒ A **pro bono office** on the Potchefstroom Campus assists local governments in North West with free advice in environmental management and impact studies. This follows after the Department of Environmental Affairs has identified the need, launched an investigation at various South African universities and identified the NWU to open the first office as pilot project.

⇒ On the same campus, the School of Economics is contracted by the Department of Trade and Industry to identify realistic export opportunities for South African exporters through its research entity, **TRADE**.

⇒ The Potchefstroom Campus and the Department of Trade and Industry (dti) opened a state of the art super critical fluid extraction laboratory and pilot plant, a first for Africa. The **Thedit Centre for Advanced Manufacturing** uses green technology to safely extract among others essential oils, flavourings and other compounds used in the cosmetic, food and medicinal extract industry.

⇒ Staff from the research niche area, **Medicine Usage in South Africa**, is involved with the South African Pharmacy Council to develop a grading system for public and private sector pharmacies.

⇒ The **Vaal Triangle Campus** signed agreements with local and regional municipalities to assist with capacity



building of councillors and officials, and to embark on joint projects aimed at educating individuals and communities to understand and participate more effectively in community development.

- ⇒ The **Vaal Triangle Campus** is also involved with the Molefi Oliphant Institute of Leadership, whose main aim is to create life skills programmes to help professional soccer players in managing their financial affairs. The campus is assisting the institute by conducting research and offering short courses.
- ⇒ The Mafikeng Campus's niche area, **Food Security and Safety in the North West Province**, assists the National Department of Agriculture, Forestry and Fisheries with the implementation of the Zero Hunger Strategy which aims to put an end to hunger.
- ⇒ The **Indigenous Knowledge Systems Centre**, also on the Mafikeng Campus, collaborates with the Department of Science and Technology (DST) and the South African Qualification Authority on an initiative to champion the accreditation

of traditional leaders and healers. In 2013, the centre and the DST co-hosted an international conference on the value of indigenous knowledge in the 21st century.

- ⇒ The **School of Agricultural Sciences**, in partnership with among others the Provincial Department of Agriculture and Rural Development and the Mahikeng and Greater Taung municipalities, participated in farmers markets to assist small-scale farmers in surrounding areas to have access to market opportunities and sell fresh produce to local markets at affordable prices.
- ⇒ The **Mafikeng Campus**, the North West Provincial Government and Statistics South Africa entered into a developmental partnership to expedite skills development in the province.
- ⇒ Working together with the Veterinary Services Directorate of the North West Department of Agriculture and Rural Development, the Mafikeng Campus's **School of Agriculture** provides general animal husbandry services to farmers in the rural areas of the province.

Some of the implementation of expertise activities such as short courses, consultation, service rendering, and technology transfer **generate third stream income**.

However, the NWU has also been involved in many community engagement activities, which are typically **not for profit**. These activities are performed by university staff and students to uplift, engage and develop the community.

They range from developmental engagement to community service projects and providing expertise on a voluntary basis to various bodies.

The NWU has identified community engagement as a strategic priority that can be instrumental in building the envisaged vibrant, dynamic and innovative character of the university.

community projects

There are currently more than 150 community engagement projects running at the NWU. Here are a few examples:

⇒ **Mosaic project:** This orphan care project is aimed at building houses for families fostering orphans, and creating job opportunities for foster parents through an enterprise called “Made by Mosaic” and a building contracting business. The project further comprises social development programmes and a preschool for HIV-infected /affected children.

⇒ **Enhancing the quality of life:** The Africa Unit for Transdisciplinary Health Research (AUTHeR) within the Faculty of Health Sciences on the Potchefstroom Campus runs various community projects aimed at enhancing the quality of life in communities.

These projects include the Holding Hands project, Glass Recycling project and LIFEPLAN® which forms part of the Farm Labour and General Health (FLAGH) programme.

⇒ **Health services:** Various faculties and schools offer health-related services to the community. These include students doing free diagnostic tests at community pharmacies and at state and private



hospitals, and a research project among teachers in the Potchefstroom area, involving cardiovascular health and workshops on handling stress.

- ⇒ **Animal health:** The Animal Health Centre on the Mafikeng Campus provides primary animal health care services to those who cannot afford veterinarian services.
- ⇒ **Legal services to the community:** The Community Law Centre (in the Faculty of Law on the Mafikeng Campus) and the Centre for Community Law and Development (CCLD) (in the Faculty of Law on the Potchefstroom Campus) provide practical legal training to final-year LLB students and candidate attorneys. They also provide free legal services to those who cannot afford legal counsel. Other services include capacity building programmes and advocacy programmes on community radio stations. A unit for children's rights has also been established.

A Multilingualism

A variety of community initiatives underpin the spirit of the university's functional multilingualism policy.

Examples of the community engagement initiatives launched by the NWU's Language Directorate include interpreting services in two schools as well as a trilingual reading project in five primary schools, co-funded by the Rotary Club of Orkney.

Other initiatives include the short courses for translators and specialised translation (subtitling) presented by members of the Vaal Triangle Campus' School of Languages. SA Sign Language has also been introduced from 2011 as a language subject in the School of Languages on the Potchefstroom Campus.

In addition the Language Directorate is also involved in the training of Sign Language interpreters serving the Deaf community by means of joint Institutional Office and Deaf Federation SA short courses.

A Promoting arts

Developing arts in the North West Province is another priority of the NWU. In this respect, regular learnership programmes and certificate courses are offered by the Institute for Arts Management and Development (Artéma) on the Potchefstroom Campus.

A Back to school

Considering the backlogs at South African schools, especially in mathematics and science subjects, the NWU's engagement with schools around its campuses is a priority.

The university is helping to prepare thousands of matriculants from feeder schools for the tertiary education environment and the world of work.

- ⇒ The **Siyakhulisa Early Childhood Development Programme** endeavours to improve the standard of pre-school teaching and Early Childhood Development (ECD) in the Vaal Triangle area. Pre-school teachers attend a training programme presented by the School of Education Sciences.
- ⇒ The **Ikateleng Project** is aimed at preparing promising grade 12 learners for their matriculation examinations and the challenges of university life. This project is presented in the areas surrounding the three campuses. In 2012, the average pass rate at the various centres was 93%, with a total of 302 distinctions obtained.
- ⇒ At the **Winter School** on the Mafikeng Campus, staff and students offer supplementary teaching, helping grade 12 learners prepare for their final examination.

A Music education projects

The **Musikhane** music education project and the **South African Music Outreach** project teach children from disadvantaged communities to read music and play various instruments.

A Improving the quality of teaching

- ⇒ The **Sediba Project** is aimed at improving the quality of teaching in Science and Mathematics, and assisting teachers in acquiring Higher Education Diplomas.
- ⇒ The **Education Quality Improvement Partnership Programme (EQUIP)** is a whole-school development programme, building capacity at leadership, management and governance level within schools. In collaboration with the North West Province's Department of Education, the NWU provides training and other support to school governing bodies, management teams and educators. The project now also includes in-service training for English medium education.
- ⇒ As part of the **Partnerships for Hope-Project**, schools in the Dr Kenneth Kaunda District Municipality were supported through workshops and by placing education students for work integrated learning (practicals) in those schools.

A Combating HIV/AIDS

Considering the huge impact that the HIV/AIDS pandemic has on South Africa, the university views combating HIV/AIDS as a priority.

Students on all three campuses are actively involved in HIV/AIDS awareness among communities.

Their activities range from holding counselling workshops to arranging events such as anti-discrimination marches, candle weeks and condom weeks.

A Student involvement with communities

An important part of student life at the NWU is the opportunity to contribute to society through volunteerism.

- ⇒ **Student Rag Community Service:** The money that this service raises during the annual Rag and other projects is distributed to community-based 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 2013, they donated about R1,4 million to deserving projects and individuals.

- ⇒ **Meals for needy students:** The campuses hold fund-raising events such as golf and jazz days and cycling events to ensure that needy students eat two balanced meals every day.
- ⇒ **Children's homes:** Students do voluntary community service at local children's homes, shelters for the homeless, old age homes and the SPCA.

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 (ofisi-kgolo) 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 kwantle 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 lefshwaofoko, leina la setheo – Yunibesiti ya Bokone-Bophirima.

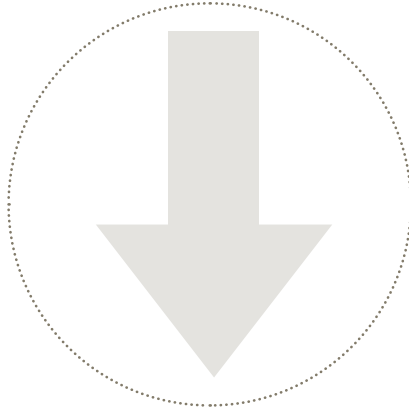
“Dikeetane” tse tharo tse di gokaganang di tshwantshetsa kutlwano ya Yunibesiti ya Bokone-Bophirima mme mebala e meraro e tshwantshetsa dipharologano tsa methalethale tsa dikhamphase tse tharo.

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.

If you want to find out more about
the NWU's story, contact ...



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and colleagues



NORTH-WEST UNIVERSITY
YUNIBESITHI YA BOKONE-BOPHIRIMA
NOORDWES-UNIVERSITEIT

®

Die begin alles hier™

PROFIEL

2013/2014

ons manifes

Dit gaan oor meer as net onderrig – dit gaan oor die

GELEENTHEDE

wat onderrig bring.

Hierdie is 'n plek...waar **enigiets** moontlik is.

'n Plek waar die **verbeelding** geen grense het nie, en **drome** begin.

'n Plek wat 'n **stem** gee aan wie jy **waag** om te wees.

Waar elke nuwe dag 'n **geleentheid** is om...

die volgende **grootste - vinnigste -
hoorbaarste - trotsste...die volgende
eerste te wees.**

Dis 'n **plek** waar **stemme duideliker** word,

strewes gevisualiseer word, en

toekomstige suksesse ontwikkel.

Anderkant die deure lê ons **roeping...**

Hier word ons nuwe **nalatenskap neergeskryf,**

en **floreer** ons eenheid binne **diversiteit.**

Dit is die plek waar

“wat as” verander na “wat is”;

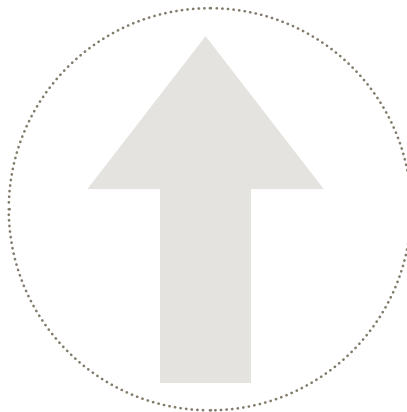
waar “as” verander na “wanneer”;

en “dalk” verander na “kan.”

Die NWU is die **plek** waar
jou **beste** die **geleentheid** het
om **beter te word.**

inhoud

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die groter prentjie



Suid-Afrikaanse **HOËRONDERWYS-** landskap

23

openbare hoëronderrysinstellings in SA

komprensiewe universiteite

6

11 KONvensionele
UNIVERSITEITE

6 UNIVERSITEITE
VAN TEGNOLOGIE

Hoër Onderwys Suid-Afrika (HESA)
beheerliggaam vir SA se hoëronderrysinstellings

Noordwes-Universiteit (NWU)
een van die 11 konvensionele universiteite in SA

ons bestuursmodel

'n nuwe instelling

Die NWU het amptelik op 1 Januarie 2004 tot stand gekom, as deel van die transformasie van die hoëronderwyslandskap.



visie

Die visie van die NWU is om 'n "toonaangewende universiteit in Afrika te wees, gedryf deur die strewe na kennis en innovasie".

waardes

Die NWU onderskryf die eindwaardes van menswaardigheid, gelykheid, vryheid, integriteit, verdraagsaamheid, respek, verbondenheid tot uitnemendheid, vakkundige betrokkenheid, akademiese vryheid, geregtigheid en deursigtigheid. In die praktyk is 'n stel van vier instrumentele doenwaardes geïdentifiseer, naamlik integriteit, toewyding, aanspreeklikheid en respek.

missie

Die NWU se missie is om 'n gebalanseerde onderrig-leer- en navorsingsuniversiteit te word, en om sy kundigheid op 'n innoverende manier te implementeer. Die instelling sal dit bereik deur sy waardes uit te leef en na gesonde bestuur en transformasie te streef, en deur plaaslik betrokke, nasionaal relevant en internasionaal erken te wees.

Volgens die 2011-syfers wat in 2012 deur die Departement van Hoër Onderwys en Opleiding beskikbaar gestel is, vaar die NWU baie goed, gemeet aan die ander 22 hoërondewysinstansies in Suid-Afrika. Hier is die bewyse:

56 641

totale koppetelling in **2011**



derde-grootste universiteit in Suid-Afrika

25%

Gradueringskoers in **2011**
(die aantal grade as persentasie van die totale koppetelling)



gesamentlik eerste in die hoërondewyssektor

2012-telbord vir onderrig-leer

88,2%

voorgraadse slaagsyfer



ver bo die nasionale gemiddelde

2012-telbord vir navorsing

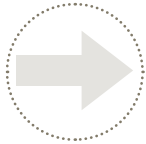
1 830

totale navorsingsuitset

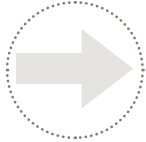


plaas NWU in dieselfde groep as ander top- Suid-Afrikaanse navorsingsuniverseite

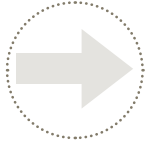
slagspreuk



Dit begin alles hier



It all starts here



Gotlhe go simologa fano

Bemagtigingstatus

Swart uitvoerende direkteure	44,44%
Vroulike uitvoerende direkteure	11,11%
Swart personeel (% van totale personeel)	36,94%
Vroulike personeel (% van totale personeel)	56,82%

Rassesamestelling van kontakstudente in 2013

Asiër	Wit	Bruin	Swart	Totaal
442	16 403	1 141	18 155	36 141
1,22%	45,38%	3,15%	50,23%	

Geslagsamestelling van kontakstudente in 2013

Manlik	Vroulik	Totaal
14 766	21 375	36 141

Ras- en geslagsamestelling van permanente personeel in 2013

Vroulik

Asiër	Wit	Bruin	Swart	Totaal
16	1 262	81	488	1 847

Manlik

Asiër	Wit	Bruin	Swart	Totaal
16	804	62	522	1 404

die gees van die noordwes-universiteit

Die gees van die Noordwes-Universiteit word weerspieël in die manier waarop dit die toekoms vir mense ontsluit en hulle in staat stel om hul drome waar te maak.

Hierdie gees loop dwarsdeur al ons aktiwiteite en werksaamhede, van ons navorsing tot ons akademiese, bestuursmodel, kampusstruktuur, studentekorps, gemeenskapsverbinde en sportprestasies. Die “sleutels” wat die universiteit gebruik om die toekoms vir sy belanghebbende te ontsluit, sluit die volgende in:

unieke programme

Die NWU is die enigste universiteit wat 'n meestersgraad in Kerningenieurswese aanbied (op sy Potchefstroomkampus), en ook 'n meestersgraad in Toegepaste Positiewe Sielkunde (op sy Vaaldriehoekskampus).

Die Mafikengkampus bied die enigste BScAgric (Dieregesondheid)-program in Suid-Afrika aan wat vir registrasie deur die Suid-Afrikaanse Veeartsenykundige Raad erken word.

Dié kampus het ook in 2013 die eerste multidissiplinêre onderrigprogram vir Inheemse Kennisstelsels (IKS) wat deur die Suid-Afrikaanse Kwalifikasie-owerheid geakkrediteer is, van stapel gestuur.

Daarby bied die Sentrum vir Bedryfswiskunde en Informatika op die Potchefstroomkampus 'n nuwe meestersgraad in Bedryfsanalise aan wat parallel loop met die program in Kwantitatiewe Risikobestuur.

topnavorsingsentiteite

Volgens die NWU se navorsingsentiteite-model spog die universiteit met drie sentrums van uitnemendheid. Hulle is die Sentrum van Uitnemendheid vir Voeding, die Sentrum vir Ruimtenavorsing en die Sentrum van Uitnemendheid vir Farmaseutiese Wetenskappe (PharMaCen). Al drie is op die Potchefstroomkampus geleë.

entrepreneuriese leer

Akademieprogramme in entrepreneurskap is ingesluit in die BCom-kwalifikasie (wat spesialiseer in Sakebestuur) en 'n module oor entrepreneurskap in die MBA-kwalifikasie. BSc Verbruikerswetenskappe- en BSc IT-studente doen ook 'n module oor probleemoplossing in die sakeomgewing.

fokus op internasionalisering

Aangesien globalisering 'n verskynsel van die moderne era is, fokus die NWU op internasionalisering deur sy nuwe Internasionale Kantoor. Hierdie kantoor koördineer en fasiliteer die universiteit se internasionaliseringpogings, byvoorbeeld uitruilprogramme vir studente en personeel, en kontrakte met betrekking tot akademiese, kulturele, navorsings- en sportaangeleenthede.

tantièmes

Patente en inkomste uit produkverkope genereer ongeveer R3 miljoen per jaar aan tantièmes, lisensie-inkomste en produkverkope. Die NWU het 11 patente in die USA.

uitnemendheid op sportgebied

Verskeie sportspanne van ons drie kampusse is as Universiteitsport Suid-Afrika-kampioene gekroon in 2012. Dit sluit in spanne van sportskodes soos karate (vir die dertiende agtereenvolgende jaar), atletiek (die tiende keer in 19 jaar), vrouehokkie (die tweede agtereenvolgende jaar), liggaamsbou, en vrouefietsry.

A Sportdorp

'n Vierster-sportdorp (bekend as die Sports Village) op die Potchefstroomkampus bied akkommodasie aan sportspanne wat by die universiteit oefen.

Die Spaanse sokkerspan was die eerstes wat van die kompleks gebruik gemaak het toe hulle daar tuisgegaan het tydens die FIFA-wêreldbeker in 2010.

A Top-oefenbestemming

In 2012 was hierdie universiteit die voorkeur-oefenbestemming van 781 internasionale atlete van 35 lande.

Hierdie sportmanne en -vroue maak gebruik van die eersteklasfasiliteite by die ENB-Hoëprestasie-instituut vir Sport (HPI) vir voorbereiding en oefening.

Die instituut se fasiliteite en dienste sluit in die bes toegeruste sportgimnasium in Afrika en 'n volledige reeks sportafrigting-, geneeskunde-, navorsings-, voedings- en sielkundige dienste. In 2012 het die instituut hoëprofiel-spanne

gelok, onder meer Engeland se nasionale rugbyligaspan, die Australiese krieketspan, Botswana se nasionale sokkerspan, 'n Franse Olimpiese kajakspan en heelparty internasionale driekampatlete.

Suid-Afrikaanse spanne wat die HPI besoek het, is die Suid-Afrikaanse vrouesokkerspan, Banyana Banyana, die Kolkata Knight Riders IPL-krieketspan en die Kaizer Chiefs-sokkerspan.

Die HPI het ook gehelp met Noordwes Krieket se internasionale afrigtingskamp en met verskeie internasionale tennistoernooie.

Internasionale atlete wat by die HPI geoefen het in die jare voor 2012 se Olimpiese Spele het 'n totaal van 19 Olimpiese medaljes losgeslaan in Londen.

A Sentrum van spesialisasie

Die Instituut vir Sportwetenskap en Ontwikkeling (ISWO) lewer ook wetenskaplike ondersteuningsdienste aan die Wêreldfietsrysentrum – Afrika (WFS-A), die Noordwes-Sportakademie, die PUK-rugbyinstituut en Hokkieakademie op die Potchefstroomkampus en die Sokkerinstituut op die Mafikengkampus.

Die instituut is reeds die afgelope 11 jaar lank lid van die Internasionale Vereniging van Hoëprestasiesportafrigtingsentrums.

A Fietsrybane van wêreldgehalte

Bouwerk aan 'n buitenshuise BMX Supercross-fietsrybaan sowel as 'n binnenshuise area met 'n skuins opgeboude houtoppervlak-fietsrybaan (Velodrome) by die Potchefstroomdam is reeds aan die gang.

Nasionale en internasionale fietsryers en fietsryspanne sal die baan kan gebruik vir oefensessies, vaardigheidsontwikkeling en kompetisies. Die Velodrome sal die eerste en enigste van sy soort in Afrika wees.

Die Noordwes-Universiteit (NWU) het amptelik op 1 Januarie 2004 tot stand gekom.

Die instellings wat saamgesmelt het om die NWU tot stand te bring, was die Potchefstroomse Universiteit vir Christelike Hoër Onderwys en die Universiteit van Noordwes. Die personeel en studente van die Sebokengkampus van die Vista-Universiteit is ook by die nuwe instelling ingelyf.

Die NWU is 'n unitêre multikampus-instelling met kampusse in twee provinsies. Die Potchefstroom- en Mafikengkampus is in Noordwes en die Vaaldriehoekkampus in Gauteng geleë. Die Institusionele Kantoor (hoofkantoor) is in Potchefstroom naby die Potchefstroomkampus geleë.

Elke kampus het sy eie unieke kenmerke. Die **Mafikengkampus** is byvoorbeeld in die hoofstad van die Noordwesprovinsie geleë en spog met 'n internasionale atmosfeer, met 357 internasionale studente uit 24 verskillende lande wat daar ingeskryf was in 2012.

Die **Potchefstroomkampus**, wat die grootste en oudste NWU-kampus is, is in die historiese universiteitsdorp Potchefstroom geleë. Alhoewel die meerderheid voltydse voorgraadse klasse in Afrikaans aangebied word, is verskeie maatreëls in plek om toegang en sukses te fasiliteer en te bevorder,



byvoorbeeld opvoedkundige tolkdienste na Engels in sekere nisonderrigprogramme.

Die **Vaaldriehoekkampus** met sy uiteenlopende bevolkingsamestelling is in 'n unieke omgewing geleë, naamlik op die oewer van die Vaalrivier in 'n verklaarde natuurresewaat, met 'n verskeidenheid wildspesies wat op die kampusgronde rondloop.

effektiewe bestuur

Om seker te maak dat die geografies geskeide kampusse van die universiteit doeltreffend bestuur word, het ons bestuursprosesse uit die sakewêreld oorgeneem en innoverend toegepas.

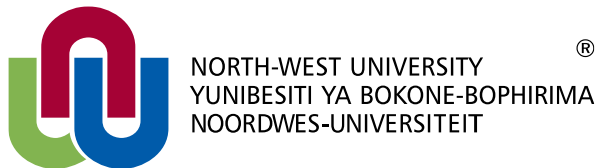
Aangesien individuele aanspreeklikheid vir die NWU belangrik is, word die Institusionele Plan in die individuele prestasieooreenkomste met bestuurders op alle vlakke en uiteindelik na alle akademiese personeel afgewentel.

ons handelsmerkidentiteit

Die Noordwes-Universiteit se visuele identiteit behels konsekwente gebruik van die logo, korporatiewe kleure, stylgidse, visuele taal en konsepte soos goedgekeur deur die Institusionele Komitee vir Handelsmerkvestiging, Bemaking, Kommunikasie en Bevordering. Hierdie riglyne word uiteengesit in die Korporatiewe Identiteit-handleiding. Ons het ook 'n handelsmerkbeleid oor prosesse en reëls wat gevolg moet word met betrekking tot bemakings- en kommunikasie materiaal wat daartoe bydra om die NWU te posisioneer.

ons logo

Die kettingskakels simboliseer die eenheid van die saamgesmelte Noordwes-Universiteit en die drie kleure weerspieël die lewenskragtige kampusse.



ons bestuurspan

As gevolg van die geografiese verspreiding van sy kampusse het die NWU 'n tweevlak-bestuursmodel aanvaar om by sy werksaamhede te pas.

Hierdie model bestaan uit 'n institusionele vlak as kern, wat universiteitswye konsekwentheid met betrekking tot beleid, stelsels en prosedure verseker, en die drie kampusse wat as gedesentraliseerde en gekoördineerde sake-eenhede funksioneer. Die Institusionele Bestuur is die uitvoerende liggaam van die NWU. Dr Theuns Eloff, die visekanselier, is die hoof- uitvoerende en rekenpligtige beampte, wat vir die instelling se algehele prestasie aan die NWU-raad verantwoordings moet doen.



Die lede van die Institusionele Bestuur is agter van links me Phumzile Mmope (Uitvoerende Direkteur: Institusionele Bevordering), prof Johan Rost (Uitvoerende Direkteur: Finansies en Fasiliteite), prof Dan Kgwadi (Rektor: Mafikengkampus), prof Herman van Schalkwyk (Rektor: Potchefstroomkampus), prof Thanyani Mariba (Rektor: Vaaldriehoekcampus) en mnr Victor Mothobi (Uitvoerende Direkteur: Mensekapitaal). Voor is prof Martin Oosthuizen (Adjunk-visekanselier: Onderrig-Leer), mnr James Botha (waarnemende institusionele registrateur), dr Theuns Eloff en prof Frikkie van Niekerk (Adjunk-visekanselier: Navorsing, Innovasie en Tegnologie).

bestuurspan: mafikengkampus

Prof Dan Kgwadi, rektor van die Mafikengkampus, staan aan die hoof van 'n diverse en gefokusde kampusbestuurspan. Hy word ondersteun deur 'n viserektor, prof Mashudu Davhana-Maselesele (Viserektor: Akademie en Navorsing), die dekane van die onderskeie fakulteite, 'n kampusregistrateur en direkteure van ondersteuningsdepartemente.



Prof Dan Kgwadi
Kampusrektor



Prof Mashudu
Davhana-
Maselesele
Viserektor:
Akademie en
Navorsing



Prof Eno Ebenso
Dekaan: Fakulteit
Landbou,
Wetenskap en
Tegnologie



Prof Sonia
Swanepoel
Dekaan: Fakulteit
Handel en
Administrasie



Prof Dawid
Gericke
Dekaan: Fakulteit
Opvoedkunde



Prof Petrus Botha
Dekaan: Fakulteit
Geestes- en
Sosiale
Wetenskappe



Prof Melvin Mbao
Dekaan: Fakulteit
Regte



Mnr Robert
Kettles
Kampus-
registrateur



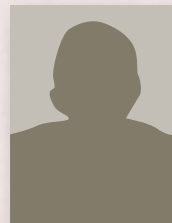
Mnr Etienne
Mostert
Direkteur:
Finansies



Mnr Koos
Degenaar
Direkteur:
Bemaking en
Kommunikasie



Mnr Lester
Mopolokeng
Uitvoerende
bestuurder: Kantoor
van die rektor



Vakant
Studentedekaan

bestuurspan: potchefstroomkampus

Gesteun deur die kundigheid van sy kampusbestuurspan gee prof Herman van Schalkwyk die pas aan op die Potchefstroomkampus. Hy word bygestaan deur twee viserektore, prof Mariëtte Lowes (Viserektor: Akademies) en prof Amanda Lourens (Viserektor: Navorsing en Beplanning), die dekaane van die onderskeie fakulteite, 'n kampusregistrator en direkteure van ondersteuningsdepartemente.



Prof Herman van Schalkwyk
Kampusrektor



Prof Mariëtte Lowes
Viserektor:
Akademies



Prof Amanda Lourens
Viserektor:
Navorsing en
Beplanning



Dr Tom Larney
Kampus-
registrator
(Waarnemend)



Prof Jan Swanepoel
Dekaan: Fakulteit
Lettere en
Wysbegeerte



Prof Kobus Pienaar
Dekaan: Fakulteit
Natuur-
wetenskappe



Prof Fika Janse van Rensburg
Dekaan: Fakulteit
Teologie



Prof Robert Balfour
Dekaan: Fakulteit
Opvoedings-
wetenskappe



Prof Nicola Smit
Dekaan: Fakulteit
Regte



Prof Susan Visser
Dekaan: Fakulteit
Ekonomiese
en Bestuurs-
wetenskappe



Prof LJ Grobler
Dekaan: Fakulteit
Ingenieurswese



Prof Awie Kotzé
Dekaan: Fakulteit
Gesondheids-
wetenskappe



Prof Rickus Fick
Dekaan:
Studentesake



Mnr Bobo van der
Westhuizen
Hoofdirekteur:
Finansies en
Fasiliteite



Mnr Theo Cloete
Direkteur:
Bemarking en
Kommunikasie

bestuurspan: vaaldriehoekkampus

Prof Thanyani Mariba is die rektor van die Vaaldriehoekkampus. Saam met hom in die voorste linie is prof Linda du Plessis, Viserektor: Akademie, Kwaliteit en Beplanning. Die bestuurspan bestaan verder uit twee dekaane, 'n kampusregistrator en die direkteure van ondersteuningsdepartemente.



Prof Thanyani
Mariba
Kampusrektor



Prof Linda du
Plessis
Viserektor:
Akademie,
Kwaliteit en
Beplanning



Me Elbie Steyn
Kampusregistrator



Prof Tinie Theron
Dekaan: Fakulteit
Geestes-
wetenskappe



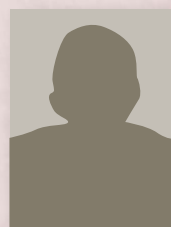
Prof Herman van
der Merwe
Dekaan: Fakulteit
Ekonomiese
Wetenskappe
en Inligtings-
tegnologie



Mnr Warren
Makgowe
Direkteur:
Bemarking en
Kommunikasie



Mnr Herman Steyn
Hoofdirekteur:
Finansies en
Fasiliteite



Vakant
Studentedekaan

ons pad na sukses

Wanneer mens kyk na die opsomming in die tabel hieronder, is dit duidelik dat die NWU se prestasies met betrekking tot sy kernbesigheid gedurende die afgelope paar jaar op feitlik alle terreine toegeneem het.

	2008	2009	2010	2011	2012
Totale studente-inskrywings	47 008	50 589	55 732	56 641	58 752
- Kontak	25 740	26 853	29 243	31 663	34 389
- Afstand	21 268	23 736	26 489	24 978	24 363
Voorgraadse slaagsyfer	81,2%	83,6%	83,5%	85,2%	88,2%
Graadverwerwingskoers	26%	27%	27%	25%	25%
Grade en diplomas toegeken	12 337	13 445	15 083	15 904	14 669
Meestersgrade toegeken	583	659	633	639	670
PhD's toegeken	100	123	129	115	154
Publikasie-ekwivalente (totaal)	503	448	591	773	935
NNS-gegradeerde navorsers	103	116	117	125	140
Totale navorsingsuitset	1 084	1 186	1 330	1 483	1 830
Totale inkomste	R1 671m	R1 827m	R2 002m	R2 318m	R2 713m
Surplus (herhalende items)	R82m	R58m	R37m	R63m	R104m
Personeelkoste / totale koste	48,4%	50,7%	52,8%	52,4%	50,1%
Selfgegenereerde inkomste	R644m	R647m	R642m	R751m	R864m
% van inkomste vanaf regering	40,0%	41,5%	44,6%	43,1%	41%
% van inkomste uit klasgeld	20,3%	22,4%	23,6%	24,7%	26,5%
Kapitaaluitgawes op opgraderings	R69,2m	R81,9m	R60,5m	R53,2m	R52,9m

ons akademiese programme

By die Noordwes-Universiteit gaan dit nie net oor onderrig nie, maar ook oor die geleentheid wat onderrig bring. Met ander woorde ons bied meer as 'n opvoeding: ons bied aan mense 'n plek in die wêreld.

Studente kan nie net tussen die drie kampusse kies wat oor 'n wye geografiese gebied versprei is nie, maar ook tussen die groot verskeidenheid akademiese programme wat aangebied word.

Hierdie groot keuse en buigsaamheid stel hulle in staat om hul volle potensiaal te verwesenlik en hul loopbane te begin ontwikkel.

Die NWU bied nie net 'n aantal akademiese programme wat nie by ander Suid-Afrikaanse universiteite gevind kan word nie, maar het ook die tweede-grootste afstandslereenheid in Suid-Afrika wat tans afstandslereenheid aan 24 363 studente bied. Hierdie groep bestaan hoofsaaklik uit studente van Opvoedingswetenskappe, maar ook van Verpleegkunde en Teologie.

Die eenheid spog met bykans 50 fasiliterings- en 100 eksamensentrums. Hierdie sentrums is regdeur Suid-Afrika versprei, sommige is in Suider-Afrikaanse Ontwikkelings-gemeenskaplande en een in Londen.

tolkdienste

Volgens ons beleid van funksionele meertaligheid bied die NWU opvoedkundige tolkdienste aan studente. Die hoofdiens word op die Potchefstroomkampus gelewer, waar sowat 26% van alle modules getolk word. Die grootste rede vir die tolking op dié hoofsaaklik Afrikaanssprekende kampus is om toegang vir nie-Afrikaanssprekendes in sekere rigtings moontlik te maak.

Tolkdienste word ook op die Mafikeng- en Vaaldriehoekkampus in bepaalde modules gelewer en sal in 2014 verder uitgebrei word. Op die Mafikengkampus word daar van Engels na Setswana getolk en op die Vaaldriehoekkampus word daar tans van Engels na Afrikaans getolk. Op die Potchefstroomkampus is 'n groep studente van die Koninklike Bafokeng-stam wat simultane tolking na Setswana in al hul vakke ontvang sodat hulle kan leer om in hul moedertaal onderrig te gee.

ontwikkeling van kritieke vaardighede vir die land

Die universiteit fokus op die ontwikkeling van skaars en strategiese vaardighede:

- A Die NWU het die grootste oop afstandsonderrig-onderwys-eenheid in die land en bied onderwysprogramme aan vir onderwysers wat reeds in diens is in die land. In 2012 het die NWU 7 286 onderwyskwalifikasies toegeken, die meeste daarvan aan onderwysers wat hul kwalifikasies wil verbeter.
- A In reaksie op die landswye tekort aan grondslagfase-onderwysers wat toegerus is om in die moedertaal klas te gee, is daar groepe studente wat in hul moedertaal, Setswana, onderrig ontvang.
- A Dit is ook een van die NWU se prioriteite om werk te maak van die ernstige tekort van ongeveer 22 000 rekenmeesters in die land. Die NWU doen dit deur die



aanbied van vier professionele rekeningkundegrade, naamlik Forensiese Rekeningkunde, Geoktrooieerde Rekeningkunde, Bestuursrekeningkunde en Finansiële Rekeningkunde. Die NWU is die enigste universiteit in Suid-Afrika wat al vier spesialiseringe in rekeningkunde voorgraads aanbied.

nwu-kampusse

Elk van die NWU se drie kampusse het definitiewe sterkpunte en vermoëns, in ooreenstemming met die universiteit se strategiese rigting van beide eenheid en diversiteit.

mafikengkampus

Die Mafikengkampus is die tweede-grootste van die NWU se drie kampusse, met 10 256 studente wat in 2012 ingeskryf was, waarvan 1 542 vir afstandsprogramme ingeskryf was. Daar is vyf fakulteite, naamlik Landbou, Wetenskap en Tegnologie; Geestes- en Sosiale

Wetenskappe; Opvoedkunde; Handel en Administrasie; en Regte. Die kampus bied verskeie unieke programme aan:

A **Vervoereconomie en Logistieke Bestuur**

Hierdie program is tot stand gebring in reaksie op geïdentifiseerde kritieke en skaars vaardighede in Suid-Afrika en is een van die vlagskipprogramme in die land.

A **Dieregesondheid**

Die groot Dieregesondheidskompleks van die Dale Beighle-sentrum vir Dieregesondheid huisves onder meer 'n moderne dierekliniek om die voorgraadse onderrigprogram te verbeter, asook groot diagnostiese en navorsingslaboratoriums om nagraadse studie te fasiliteer.

A **Inheemse Kennisstelsels (IKS)**

Die IKS-sentrum bied 'n vierjarige baccalaureusgraad in IKS aan met spesialiseringe-

opies in landbou, wetenskap en tegnologie, gesondheid, inligting en kommunikasie-tegnologie, en kuns en kultuur. Laasgenoemde sluit tale in waarvandaan navorsings-programme vir meesters- en doktorsgrade sal ontwikkel.

(Inheemse kennis is plaaslike kennis en praktyke wat uniek is tot en ontwikkel word binne 'n bepaalde kultuur of samelewing.)

A **Sentrum vir Toegepaste Stralings-wetenskap en -tegnologie (STSWT)**

As baanbreker in toegepaste stralings-wetenskap het hierdie sentrum 'n mandaat om navorsing te doen en kapasiteit te bou vir die kernindustrie in Suid-Afrika. Die sentrum bied programme op honneurs- en meestersgraadvlak aan.

A **Sentrum vir regsonderrig en -leer**

Die Fakulteit Regte se strewe na geregtigheid en demokrasie word weerspieël in sy voorgraadse en nagraadse programme. Die LLB-program is baie gewild, met studente van so ver as Botswana, Kameroen, Nigerië, Zimbabwe en Zambië.

A **Verbetering van die gehalte van onderwys in Suid-Afrika**

Die Fakulteit Opvoedkunde spreek die kritieke tekort aan onderwysers in die land aan. Die fakulteit doen dit deur nuwe onderwysers op te lei en die vaardighede van reeds gekwalifiseerde onderwysers te verbeter.

A **Akademici blink uit**

Drie akademici het nasionale toekennings ontvang vir uitstaande bydraes in hul vakgebiede. 'n Akademikus van Chemie is aangewys as die Invloedrykste Vroue-wetenskaplike in Suid-Afrika, terwyl 'n akademikus van Opvoedkunde 'n nasionale toekenning vir onderwysuitnemend van die Higher Education Learning and Teaching Association of Southern Africa verwerf het. 'n Gesoute dosent en navorser van

Wiskundige en Fisiese Wetenskappe het die 2012-toekenning vir Internasionale Leierskap in Navorsing ontvang.

Twee kundiges op die gebied van inligtingstelsels het die Beste-referaat-toekenning ontvang by die 19de Internasionale Vereniging vir Besigheidsinligtingsbestuur se konferensie in Spanje.

Die dekaan van die Fakulteit Regte is deur die regering van die Republiek van Zambië genader om deel te wees van 'n groep kundiges wat hulle adviseer oor die opstel van 'n nuwe grondwet vir Zambië.

A **Loopbaan in sport**

Benewens sokkerafrigting ontvang studente van die Sokkerinstituut op die Mafikengkampus ook akademiese opleiding. Hulle kan byvoorbeeld inskryf vir 'n baccalaureusgraad van hul keuse, of 'n driejarige diploma in Sportwetenskappe. Daar word beplan om 'n sokker-spesifieke sportwetenskapprogram op voor- en nagraadse vlak tot stand te bring.

potchefstroomkampus

Hierdie grootste van die NWU-kampusse het 42 338 geregistreerde studente in 2012 gehad, waarvan 22 706 vir afstandprogramme ingeskryf was. Die Potchefstroomkampus is ook verantwoordelik vir die meeste van die NWU se navorsingsuitsette en Nasionale Navorsingstigting-gegradeerde navorsers, en het agt fakulteite. Dit is: Lettere en Wysbegeerte, Natuurwetenskappe, Teologie, Opvoedingswetenskappe, Ekonomiese en Bestuurswetenskappe, Regte, Ingenieurswese en Gesondheidswetenskappe. Die kampus het ook 21 navorsingsentiteite en 'n aantal sentrums en institute waar alle navorsingsaktiwiteite plaasvind.

A **Internasionale erkenning**

Die BSc-honneursprogram in Kwantitatiewe Risikobestuur (KRB) van die Sentrum vir



Bedryfswiskunde en Informatika® (Sentrum vir BWI) het internasionale erkenning van twee professionele risikobestuursliggame ontvang.

A **Uitnemende programme**

Kundiges van Australië, België, Uganda en Brittanje het verklaar dat die programme in die Skool vir Voortgesette Onderwysersopleiding (SVOO) baie goed vergelyk met die beste in die wêreld.

A **Akademikus aan die stuur**

'n Taalkenner en direkteur van die Skool vir Tale is die voorsitter van die Nasionale Taalliggaam vir Afrikaans, van die Raad van die Afrikaanse Taalmuseum en Monument, en van die Suid-Afrikaanse Akademie vir Wetenskap en Kuns.

A **Gesogte toekennings**

Die dekaan van die Fakulteit Ekonomiese en Bestuurswetenskappe is aangewys as een van

die land se invloedrykste vroue in onderwys en opleiding. Die toekenning was deel van die sakydskrif CEO se kompetisie om Suid-Afrikaanse vroue te vereer vir hul bydrae in die sakewêreld en die regering.

Die dekaan van die Fakulteit Ingenieurswese was die 2012-wenner van die Groen Bedryfsleier-kategorie van die Groen Verskaffingsketting-toekennings. Hy is ook die eerste nie-Amerikaner wat verkies is as voorsitter van die Vereniging vir Energie-ingenieurs. Daarby het 'n dosent van Ingenieurswese ook 'n nasionale toekenning vir onderriguitnemendheid ontvang van die Higher Education Learning and Teaching Association of Southern Africa (HELTASA).

A **Fabriseringslaboratorium van wêreldgehalte**

Die Fakulteit Ingenieurswese spog met 'n fabriseringslaboratorium (Fablab) van wêreldgehalte waar mense die tegnologie kan gebruik om bykans enige idee in 'n ontwerp te omskep.

A Sweef bokant die aarde

In 2012 het twee akademici van die Skool vir Meganiese en Kerningenieurswese deelgeneem aan die wêreldseweeftuig-kampioenskap in Texas in die VSA, waar hul JS1-Revelation-sweeftuig met 'n vlerkspan van 18 m, vierde gekom het.

A Studente blink nasionaal en internasionaal uit

Studente van die Skool vir Musiek het eersteplekke in verskeie nasionale musiek-kompetisies behaal. By die Internasionale Mozart-fee het twee studente beurse gewen om in 2013 aan die Musikhochschule in Keulen, Duitsland, te studeer.

Grafiese Ontwerp-studente het weer heelwat groot ontwerp pryse opgeraap in 2012, insluitende Pendorring- en Loerie-toekennings en toekennings in die Internasionale Vereniging vir Tipografiese Ontwerpers se kompetisie. Daarby was 'n honneursstudent se reisvideo een van die prysweners in die internasionaal hoog aangeskrewe Nomads-videokompetisie in 2012.

Regstudente het uitblink deur nie net 2012 se All Africa Moot Court-kompetisie

te wen nie, maar ook – vir die vierde agtereenvolgende jaar – die LexisNexis Intervarsity Criminal Mock Trial-kompetisie.

Ingenieurstudente se sonkragangedrewe kar was die gesamentlike wenner van 'n internasionale kompetisie, die Sasol Solar Challenge. Die kar is ook gesamentlik eerste op die Internasionale Outomobielfederasie se wêreldranglys vir alternatiewe energie. Vier nagraadse Ingenieurstudente is deel van 'n span wat besig is om 'n nuwegenerasie-helikopter en -vliegtuig in samewerking met Denel Aviation te ontwikkel.

A CText®

Die Sentrum vir Tekstegnologie (CText®) doen navorsing oor mensetaal tegnologie en ontwikkel taal tegnologie produkte soos speltoetsers vir Suid-Afrikaanse tale.

Mensetaal tegnologie maak dit vir mense moontlik om rekenaars en ander tegnologiese in natuurlike tale (soos Afrikaans of isiZulu) te gebruik. Die Taalhelpbronn-bestuursagentskap wat deur die regering befonds en deur CText bestuur word, is daarop gemik om te help met data-ontwikkeling vir navorsers en ontwikkelaars en sodoende nuwe tegnologiese in meer tale moontlik te maak.



A 'n Nuwe vlak van opleiding

Die Fakulteit Gesondheidswetenskappe gebruik mediese simulasiestappe en ultramoderne simulasiestappe om mediese en farmaseutiese studente op te lei. Hulle spog ook met 'n Eenheid vir Opleiding in Primêre Gesondheidsorg en 'n Sentrum vir Kinder-, Jeug- en Gesinstudies.

A Bevorder wêreldgesondheid

Die Wêreldgesondheidsorganisasie (WGO) het die Skool vir Farmasie se Navorsingsinstituut vir Industriële Farmasie – wat die Sentrum vir Kwaliteitsversekering van Medisyne insluit – as 'n WGO-samewerkingssentrum vir die Kwaliteitsversekering van Medisyne aangewys. Die Skool vir Farmasie is die grootste van sy soort in die land en lewer 40% van Suid-Afrika se aptekers.

A Baanbrekers in ekstrasie

Extruafrica, 'n opleidingsinisiatief in die Sentrum van Uitnemendheid in Gevorderde Vervaardiging, organiseer opleidingseminare en 'n jaarlikse internasionale konferensie oor voedselkstrasie, wat die plaaslike voedselkstrasiebedryf ondersteun. (Ekstrasie is 'n proses wat in die voedsel-, voer-, plastiek-, poeierverf- en samestellingsbedryf toegepas word.)

A Unieke tegnologie vir geneesmiddelaflewering

Navorsers van die Eenheid vir Geneesmiddelnavorsing en -ontwikkeling het hierdie unieke tegnologie, bekend as PheroidTM, ontwikkel om siektes soos malaria meer doeltreffend te behandel, en vir die aflewering van groot geneesmiddelmolekules oor die vel.

A Internasionale rolspeler in die behandeling van MIV/VIGS

Nog 'n prestasie is die universiteit se deelname aan 'n internasionale konsortium wat 'n tender van \$7 miljard gekry het om tot die Amerikaanse President se noodfonds vir Vigs-hulp (sogenaamde PEPFAR-projek) by te dra.

vaaldriehoekskampus

Hoewel dit die kleinste van die drie kampusse is, met 6 158 geregistreerde studente in 2011, is hierdie kampus 'n kragbron van akademiese kundigheid.

Die kampus het twee fakulteite, naamlik die Fakulteit Geesteswetenskappe met vier skole en die Fakulteit Ekonomiese Wetenskappe en Inligtingstegnologie met drie skole.

A Onderrig-leer-aktiwiteite

Die kampus het verskeie stappe geneem om sy studente te ondersteun. Aanvullende Onderrig (AO) is byvoorbeeld uitgebrei tot 96 modules (75 in 2011) en daar is 190 AO-leiers (114 in 2011). (Meer oor AO op bladsy 22) Die kampus het ook die aantal "sites" vir die Leerbestuurstelsel (eFundi) tot 731 vermeerder in 2011. Daarby het die kampus 'n eweknie-mentorprogram vir eerstejaarstudente in alle koshuise ingevoer. Hulle wil die program in 2013 selfs verder uitbrei na die twee dorpskoshuise toe.

A Taal- en skryfvaardighede

'n Skryflaboratorium is op die been gebring deur die Skool vir Tale om studente te help om taal meer doeltreffend te gebruik. Die studente word gehelp met argumentasievaardighede, parafering, verwysings en konseptuele strukturering om hul akademiese skryfvaardighede te verbeter.

A Navorsing is 'n fokuspunt

Die kampus het drie navorsingsfokusareas, naamlik Verstaan en Verwerking van Taal in Komplekse Omgewings (UPSET), Instaatstelling tot Optimale Uitdrukking van Individuele, Sosiale en Institusionele Potensiaal (Optentia) en Meertalige Spraaktegnologie (MUST).

UPSET stel ondersoek in na hoe mense taal in komplekse omgewings verstaan en verwerk, deur spesifiek te fokus op die do-

meine van taalpraktyk (vertaalkunde) en meertaligheid.

Optentia is daarop gemik om kennis uit te brei oor hoe individuele, sosiale en institusionele potensiaal optimaal uitgedruk kan word, en om hierdie kennis aan individue en besluitnemers beskikbaar te stel.

MUST fokus op die ontwikkeling van die wetenskaplike en tegnologiese grondslag wat die weg sal baan vir spraaktegnologieë (soos spraakherkenning en -sintese) om 'n beduidende impak te hê in die ontwikkelende wêreld.

Die Skool vir Basiese Wetenskappe (binne die Fakulteit Geesteswetenskappe) het die navorsingsfokusarea, PARSED (Openbare-aangeleenthede-navorsing vir Dienslewering) tot stand gebring.

Benewens bogenoemde navorsingsentiteite is ander potensiele nisareas ook geïdentifiseer:

- ⇒ Antieke Tekste
- ⇒ Ondernemingskennis en -stelsels
- ⇒ Plaaslike Ekonomiese Ontwikkeling
- ⇒ Toegepaste Risikobestuur

Die **SA Institute for Serious Games**, 'n gesamentlike onderneming tussen Coventry Universiteit in die Verenigde Koninkryk en die Fakulteit Ekonomiese Wetenskappe en Inligtingstechnologie, is in 2011 van stapel gestuur. Spesiale simulasiespeletjies word ontwerp waarmee mense opgelei word in vakgebiede soos sosio-ekonomie, streeksbeplanning en risikoversekering.

Die Vaaldriehoekampus het ook 'n **Vaardigheidsontwikkelingsentrum** wat kortkursusse en werksinkels op verskeie gebiede aanbied, soos projekbestuur, arbeidsverhoudinge, en bestuurs- en rekenaarvaardighede. Plaaslike regerings, die Gautengse Departement van Onderwys en die Suid-Afrikaanse Sokkervereniging het reeds by hierdie programme gebaat.

Die **Ondernemingsontwikkelingsentrum** is 'n ontwikkelingsinisiatief vir studente

en besighede in die Vaaldriehoekstreek. Die sentrum bemagtig enigiemand om 'n entrepreneur te word en is deel van die B Hive-projek (Bridging Business and Education by Establishing a Hub of Innovative Ventures and Expertise). Die B Hive is die resultaat van 'n €1,8 miljoen-toekenning van Nederland.

Die **Eenheid vir Toegepaste Risikobestuur** spreek die behoefte aan vir nagraadse risikobestuursopvoeding en toegepaste risikonavorsing. Die fokus is op senior, uitvoerende bestuur en raadslede van finansiële instansies.

bevordering van akademiese prestasie

Die NWU bied etlike programme aan om studente te help om vaardigheidsgapings te bowe te kom.

Een daarvan behels akademiese geletterdeheids- en vaardigheidstoetse wat deur alle eerstejaarstudente van die NWU afgelê word. Dié toetse bepaal of hulle baat sal vind by die bykomende module in akademiese geletterdheid wat vir alle eerstejaars aangebied word, asook by ander vaardigheidsprogramme wat die NWU aanbied.

'n Verpligte module in akademiese geletterdheid word op alle NWU-kampusse aangebied. Ander verpligte modules wat studente help om die wêreld as 'n stel verwante stelsels te verstaan, is ook reeds in alle akademiese programme op die tweede- en derdejaarsvlak ingevoer.

Die NWU het ook belê in die universiteitswye implementering van Aanvullende Onderrig (AO) op al die kampusse.

AO is 'n akademiese ondersteuningstelsel vir studente wat regoor die wêreld gebruik word en ekstra groepstudiesessies in die moeilike modules behels. Opgeleide AO-leiers – senior studente wat die geteikende module reeds suksesvol voltooi het – fasiliteer hierdie sessies.

Die NWU glo in die totale bemagtiging van studente sodat hulle goed voorbereid is om met suksesvolle loopbane te begin, tot die gemeenskap by te dra en gebalanseerde, doelgerigte lewens te lei.

Die NWU wil die plek wees waar studente nie net akademiese uitnemendheid bereik nie, maar ook vrye teuels gee aan hul verbeeldings, hul aspirasies visualiseer en hul toekomstige sukses ontwikkel. Die kampuslewe is gemik op holistiese groei en ontwikkeling, soos duidelik blyk uit die wye verskeidenheid kulturele, sport-, voorligtings- en welstandsaktiwiteite waaraan studente aangemoedig word om deel te neem.

studenteprofiel

Diversiteit is die onderskeidende eienskap van die NWU se studenteprofiel. Dis te verwagte, want die universiteit het immers drie kampusse wat oor twee provinsies versprei is. Dit word ook verwelkom aangesien dit die dinamiek en demografie van die Suid-Afrikaanse samelewing weerspieël.

Die NWU beskou dit as 'n mededingende voordeel vir studente, want deur saam te werk en te leer, put hulle krag uit hul diversiteit en verbeter hul vermoë om te kommunikeer en met mekaar saam te leef.

In 2012 het die NWU se studenteprofiel soos volg daar uitgesien:

Kampus	Studente
Mafikeng	10 256
Potchefstroom	42 338
Vaaldrivehoek	6 158
TOTAAL	58 752

voorgaads en nagraads

Verreweg die meerderheid studente is voorgaads, met 44 361 wat in 2012 vir baccalaureusgrade of diplomas ingeskryf was. Die NWU het egter ook 'n beduidende aantal nagraadse studente:

Meestersgraadstudente	2 828
Doktorsgraadstudente	1 048
TOTAAL	3 876

studiekeuses

In 2012 was sommige van die studiekeuses van studente by die NWU die volgende:

Hoofstudiese	Kontak	Afstand	Totaal (%)
Wetenskap, ingenieurswese, tegnologie	11 075	625	19,91%
Sake/bestuur	9 479	29	16,18%
Opvoedkunde	4 414	20 970	43,2%
Ander geesteswetenskappe	9 421	2 739	20,69%

Na verwagting sal hierdie profiel meer in die rigting van die natuurwetenskappe en ekonomiese dissiplines verskuif, ooreenkomstig die NWU se Institusionele Plan.

studentefasiliteite en infrastruktuur

Die NWU belê intensief in studentefasiliteite en infrastruktuur met die doel om die bes moontlike leer- en buitemuurse ontwikkelingsgeleenthede aan studente te bied.

Die universiteit gaan in die volgende drie jaar sowat R380 miljoen aan nuwe geboue, opgradering van bestaande geboue en toerusting op die drie kampusse spandeer. Die grootste projek vir die tydperk 2012 tot 2015 word op die Mafikengkampus aangepak. Dit behels die bou en inrig van twee nuwe koshuise teen 'n totale koste van R76,9 miljoen.

Die tweede-grootste projek, ter waarde van R54,7 miljoen, is die bou en inrig van 'n nuwe gebou vir Farmasie op die Potchefstroomkampus. Van die ander groot projekte sluit in die bou en toerus van 'n nuwe gebou vir Verpleegkunde en die tweede fase van die gebou vir Natuurwetenskappe, al twee op die Mafikengkampus. 'n Moderne biblioteek word tans op die Vaaldriehoekkampus opgerig. Daarby gaan dié kampus ook 'n nuwe gebou vir Afrikatale, Geestes- en Sosiale Wetenskappe en 'n nuwe koshuis kry. Op die Potchefstroomkampus is die eerste nuwe koshuis sedert die samesmelting, in 2013 voltooi.

MIV/VIGS

Die NWU se MIV/VIGS-program vir personeel maak deel uit van die universiteit se Werknemergesondheid- en Welstands-program, terwyl die program vir studente onder die kampusdekane ressorteer.

MIV/VIGS-dienste is beskikbaar op alle kampusse en die kampusgesondheidsklinieke verskaf vrywillige berading en toetsing vir personeel en studente.

loopbaansentrum

Die Loopbaansentrum speel 'n belangrike rol in die bevordering van die indiensneembaarheid onder NWU-studente deur met werkgewers te skakel, en dienste te lewer aan werkgewers sowel as studente. Die sentrum poog om relevante kurrikulums te verseker wat sal help om graduandi af te lewer wat hul vaardighede in die ontwikkelende Suid-Afrikaanse ekonomie kan terugploeg.

Die sentrum het ook ondersteuningstrukture om studente te help om die wêreld van werk te verstaan en die soort kwaliteite te ontwikkel waarna werknemers soek.

ekstrakurrikulêre ontwikkeling

Die NWU bied aan studente talle geleenthede om hul talente te ontwikkel deur aan sport, die kunste, kulturele en ander buitemuurse aktiwiteite deel te neem.

kultuuraktiwiteite

Die **Mafikengkampus** het hom in kuns, musiek, koor en multikulturele drama onderskei, met die kampuskoor wat vir drie jaar agtereenvolgens die eerste plek in die streekskampioenskap van die Telkom/Ou Mutual-koorkampioenskap verower het.

Die **Potchefstroomkampus** is die tuiste van die bekende NWU-PUK-koor, die Boulevardharmoniste, 'n a cappella-ensemble, en die NWU-PUK Serenaders.

Die kampus spog ook met die NWU-PUK-simfonieorkeste, die Buzzin'-koperblaasensemble, die Thalia-toneelgeselskap, die Disfunctional Beat-dansvereniging, die NWU-PUK Amici-ensemble, en Divaco, 'n kultuurvereniging wat die Kaapse kultuur deur middel van teater, dans en musiek vier.



In 2013 het die kampus die 30ste bestaansjaar van die jaarlikse Kampustalentfees met 'n groot galagebeurtenis gevier, met optredes deur kategoriewenners van die afgelope drie dekades se kompetisies.

Die **Vaaldriehoekkampus** is in die finale fases van die totstandbrenging van 'n radiostasie. Die kampus se koor, The Voices of the River, neem gereeld aan streekskompetisies deel. 'n Jaarlikse Kultuurfees is een van die hoogtepunte op die kampuskalender, met al drie NWU-kampusse wat daaraan deelneem.

sport

Sport is steeds 'n kernsterkte van die NWU se nie-akademiese lewe. Die universiteit kan, op grond van prestasies op die sportveld, daarop aanspraak maak dat dit een van die top-sportuniversiteite in Suid-Afrika is.

Die NWU fokus op sewe hoofsportsoorte, naamlik atletiek, krieket, hokkie, netbal, rugby, sokker en tennis. Hierbenewens bied die universiteit geleenthede vir deelname aan 30 ander sport- en ontspanningsaktiwiteite,

insluitende fietsry, karate, sagtebal, muurbal, rotsklim, tafeltennis en mededingende skaak.

kleiner sportkodes

Sommige van die kleiner sportkodes wat op die Mafikengkampus ondersteun word, sluit in skaak, karate, vlugbal, ju-jitsu, tafeltennis, boks, aërobiese oefening, pluimbal, sagtebal en liggaamsbou.

Die NWU se **liggaamsbouspanne** is in 2012 aangewys as die algehele wenners by die USSA-kampioenskap. Die Mafikengkampus het weggeloopt met sewe trofeeë en die Vaaldriehoekkampus met ses.

Ander Mafikengkampus-spanne wat goed gevaar het by die USSA-kampioenskap was die **aërobiese span** wat vyf goue, twee silwer- en twee bronsmedaljes huis toe gebring het, en die **karatespan** wat 'n silwer- en 'n bronsmedalje gewen het. Die gemengde dubbels en die **vrouetafeltennisspan** het die vierde plek behaal by die USSAS-spele, so ook die vroueskaakspan.

Die Vaaldriehoekspan se **skaakspan** het aan 'n CHESSA-toernooi (Skaak Suid-Afrika) deelgeneem, en die vroulike skaakspelers het onder die top 20 in die land geëindig, met die kampusspan nommer 12 op die nasionale ranglys.

Verskeie sportsterre op die Mafikengkampus is ook vir Suid-Afrikaanse spanne gekies, byvoorbeeld die SA **ju-jitsu** presidensiële span wat aan die 2013 Verenigde Nasies-wêreldkampioenskap sal deelneem.

'n Gewilde sportkode op die Vaaldriehoek is **dans**, en die span bestaan uit vroulike sowel as manlike dansers. Die dansspan het die semifinaal van die USSA-kampioenskap gehaal en onder die eerste vyf spanne geëindig.

Vyf paartjies het die semifinaal gehaal, met een paartjie wat derde plek behaal het. Een van die dansers is ook gekies om vir die eerste keer op USSA se Uitvoerende Komitee vir Dans te dien, en het ook aan die nasionale klubkompetisie deelgeneem.

Weens die ideale ligging van die Vaaldriehoek-kampus op die oewer van die Vaalrivier

is die langtermynvisie om **watersport** te ontwikkel. Om dit te verwezenlik is 'n kano- en 'n roeiklub begin en is die roeiklub by Rowing SA geregistreer. Lede van die NWU Vaal-Watuni-kanoklub het aan verskeie kompetisies deelgeneem, insluitende die Duzi-kanomathon en die uitdaginge Bergriviermarathon.

Die Vaaldriehoekspan het onlangs klein sportkodes soos basketbal, skaak, sewesrugby, bergfietsry en 'n marathon in hul nuwe koshuisligastruukur ingesluit.

Die kleiner sportkodes op die Potchefstroom-kampus het ook goed gevaar by die 2012 USSA-kampioenskap.

Karate was weereens een van die mees suksesvolle kleiner sportkodes by die NWU. Die Potchefstroomkampus se span het die USSA-toernooi vir die 13de agtereenvolgende keer gewen.

Die kampus se **vrouefietsryspan** het eerste gekom en die **muurbalspan** tweede, terwyl die kampus se golf-, pluimbal-, rotsklim- en gimnastiekspanne derde plekke behaal het.



groot sportkodes

Een van die groot sportkodes wat op die NWU se Potchefstroomkampus ondersteun word, is **rugby** en hierdie kampus spog met 'n hoogaangeskrewe Rugbyinstituut. Hul rugbyspan het tweede geëindig by die Sewesrugbytoernooi en die USSA 2012-toernooi.

Die Vaaldriehoekkampus se rugbyspan neem deel in die A-afdeling van die USSA-kampioenskap.

Atletiek is 'n gewilde groot sportkode op die Potchefstroomkampus, met die atletiekspan wat die USSA-toernooi vir die tiende keer in 19 jaar gewen het en 14 goue medaljes huis toe gebring het.

Die kampus het ook drie atlete en een afrigter wat by die 2012 Olimpiese Spele en Paralimpiese Spele in Londen betrokke was.

'n Atletiekklub word tans op die Vaaldriehoekkampus tot stand gebring as deel van 'n nuwe sportinisiatief.

Die Potchefstroomkampus se atletiek- en **hokkiespanne** neem ook nou deel in die Varsity Cup-liga wat onlangs uitgebrei is.

In 2012 het hierdie kampus se vrouehokkie-span vir die tweede agtereenvolgende jaar as USSA-kampioene uit die stryd getree.

By die 2012 Olimpiese Spele in Londen het beide nasionale hokkiespanne (mans én vroue) 'n lid van die Hokkie-akademie ingesluit.

Die Vaaldriehoekkampus se vrouehokkiespan het weereens aan die USSA-kampioenskap deelgeneem (B-afdeling) en is tans die heersende kampioene van die Suid-Gautengse Hokkieliga.

Die Potchefstroomkampus se **krieketklub**, met 17 spanne, is tans die tweede-grootste in die land. Drie spelers van hierdie klub het gedurende die 2012/2013-seisoen vir nasionale spanne gespeel.

In 2011 was die Mafikengkampus se krieketspan tweede in die USSA B-afdeling. Die vrouekrieketspan van die Vaaldriehoekkampus het die Gauteng Senior Vroueliga gedurende die 2012/2013-seisoen gewen, en twee spelers is gekies om die Senior Gauteng Vroueskrieketspan te verteenwoordig.

Die manskrieketspan het hul plek in die mededingende A-liga van die USSA Krieket behou en word as een van die top agt universiteitspanne in die land beskou, met een speler wat vir die SA Studentespan gekies is.

By die 2012 USSA-kampioenskap het die Potchefstroomkampus se **netbalspan** vierde geëindig in die Superliga-afdeling.

Die Vaaldriehoekkampus se netbalspan was tweede in die USSA B-afdeling en het gekwalifiseer om in 2013 in die USSA A-afdeling deel te neem.

Deelname aan netbal het só toegeneem dat die kampus nou in verskeie provinsiale en plaaslike ligas deelneem. Spelers het ook die streek by die nasionale senior provinsiale kompetisie verteenwoordig.

'n **Tennisspeler** van die NWU-Puk/Riaan Venter-tennisakademie is gekies vir die nasionale span wat in April 2013 in Montenegro aan die Federasiebeker gaan deelneem.

Daar is tans 25 studente wat by die **Sokkerinstituut** op die Mafikengkampus ingeskryf is. In 2012 was hierdie instituut tweede in die USSA-kampioenskap, en is een van die spelers as beste doelwagter van die toernooi aangewys.

Op die Vaaldriehoekkampus het die vroue-sokkerspan hul status in die Sasolliga behou. Hulle neem ook deel in die USSA Gauteng-liga en die USSA-toernooi. Die mansokkerspan het in die USSA Gauteng-ligas deelgeneem, en ook in die Suid-Afrikaanse Brouery-liga.

*** Sommige van die statistiek in hierdie afdeling is nie geoudit nie.*

in 'n neutedop...

- A Die NWU ondersteun sewe belangrike sportsoorte, naamlik atletiek, krieket, hokkie, netbal, rugby, sokker en tennis, en bied ook 30 kleiner sport- en ontspanningsaktiwiteite aan, wat strek van kompeterende skaak tot rotsklim, karate en sagtebal.
- A Die NWU spog met 'n Rugbyinstituut en 'n Hokkieakademie op die Potchefstroomkampus, 'n Sokkerinstituut op die Mafikengkampus en 'n Krieketakademie en 'n Roeiklub op die Vaaldriehoekkampus.



Om 'n gebalanseerde onderrig-leer- en navorsingsuniversiteit te word, is ons navorsings- en innovasie-strategie daarop gemik om hulpbronne optimaal te benut en seker te maak dat ons ingrepe maksimale impak het.

Navorsing aan die NWU geskied volgens 'n navorsingsentiteite-model. Die beginsel vir die identifisering en ontwikkeling van navorsingsentiteite is dat die universiteit en elke kampus navorsingsterkpunte ontwikkel, met inagneming van kundigheid en potensiaal en die behoeftes van die streek en die land, binne die raamwerk van die strategiese navorsings- en innovasieplan.

Die "intreevlak"-navorsingsentiteit is dié van 'n nisarea, gevolg deur 'n fokusarea, dan 'n eenheid, en uiteindelik 'n sentrum van uitnemendheid. Daar is spesifieke kriteria aan die vier vlakke verbonde, en hulle moet toenemende kapasiteit, uitset, toepaslikheid en nasionale en internasionale erkenning toon. Die NWU het tans die volgende navorsingsentiteite:

A **Sentrums van uitnemendheid:**

- ⇒ Sentrum van Uitnemendheid vir Voeding (SUV)
- ⇒ Sentrum vir Ruimtenavorsing
- ⇒ Sentrum van Uitnemendheid vir Farmaseutiese Wetenskappe (PharMaCen)

A **Eenhede:**

- ⇒ Eenheid vir Energiestelsels
- ⇒ Eenheid vir Reformatoriese Teologie en die Ontwikkeling van die Suid-Afrikaanse Samelewing
- ⇒ Eenheid vir Bedryfswiskunde en Informatika
- ⇒ Eenheid vir Tale en Literatuur in die Suid-Afrikaanse Konteks

- ⇒ Eenheid vir Omgewingswetenskappe en -bestuur
- ⇒ Eenheid: Ontwikkeling in die Suid-Afrikaanse Regstaat
- ⇒ Afrika-eenheid vir Transdissiplinêre Gesondheidsnavorsing (AUTHeR)
- ⇒ WorkWell Navorsingseenheid vir Ekonomiese en Bestuurswetenskappe

A **Fokusareas:**

- ⇒ Chemiese Hulpbronveredeling
- ⇒ Sosiale Transformasie
- ⇒ Onderrig-Leer-organisasies
- ⇒ Verstaan en Verwerking van Taal in Komplekse Omgewings (UPSET)
- ⇒ Hipertensie in Afrika-navorsingspan (HART)
- ⇒ Fisiese Aktiwiteit, Sport en Rekreasie (PhASRec)
- ⇒ Toerismenavorsing in Ekonomiese Omgewings en die Samelewing (TREES)
- ⇒ Instaatstelling van Optimale Uitdrukking van Individuele, Maatskaplike en Institusionele Potensiaal (OPTENTIA)
- ⇒ Gehalte in Verpleeg- en Verloskunde (INSINQ)
- ⇒ Materiaalwetenskap-innovasie en Modelling (MaSIM)

A **Nisareas:**

- ⇒ Medisyneverbruik in Suid-Afrika (MUSA)
- ⇒ Bevolking en Gesondheid
- ⇒ Voedselsekureit en Veiligheid in die Noordwesprovinsie
- ⇒ Musikale Kunste in Suid-Afrika: Hulpbronne en Toepassings (MASARA)
- ⇒ Handel en Ontwikkeling (TRADE)
- ⇒ Meertalige Spraaktegnologie (MuST)

navorsing ondersteun innovasie

Die universiteit se akademiese personeel spandeer gemiddeld 40% van hulle tyd aan navorsing, wat in lyn is met die Institusionele Plan. Daar was ook 'n aansienlike toename in die getal NWU-navorsers met graderings van die Nasionale Navorsingstigting (NNS).

Ná voorlegging van aansoeke vir NNS-gradering in 2011/2012 het die universiteit nou 140 navorsers met NNS-graderings:

Navorsers met A-graderings	2
met B-graderings	17
met C-graderings	97
met P-graderings	1
met L-graderings	2
met Y-graderings	21

A Die bou van navorsingskapasiteit

Om meer akademiese personeel aan te moedig om hul navorsingsuitsette te verhoog en aansoek te doen om graderings, het die NWU 'n intensiewe kapasiteitsbouprogram vir van stapel gestuur. Opleiding word gegee om die navorsingsvaardighede van akademiese personeel te verbeter, met die klem op die skryf van opsommings, kongresvoordragte en artikels, en die opstel van vraelyste. Navorsingskapasiteitsbouwerkswinkels word op al drie kampusse gehou.

A Nagraadse werwing

Die universiteit is besig om sy poel navorsingsvaardighede te vergroot deur aktief groter getalle meesters- en doktorsgraadstudente te werf. In 2012 was daar 2 828 meestersgraad- en 1 048 doktorsgraadstudente.

A Verhoogde nagraadse befondsing

Voltydse meestersgraadstudente aan die NWU kwalifiseer vir beurse ten bedrae van R16 700 per jaar vir twee jaar. Voltydse doktorsgraadstudente kwalifiseer vir beurse van R20 000 per jaar vir drie jaar. In 2012 het

ons 114 postdoktorale studente van lande soos Indië, Finland, Hongarye, Oekraïne, Nederland, Duitsland en 'n aantal Afrika-lande gehad.

A THRIP-inkomste

In 2012 was die THRIP-inkomste wat uitbetaal is aan die NWU van die hoogste van die universiteite in Suid-Afrika. Dit is 'n aanduiding van die innoverende en relevante navorsing wat in noue samewerking met die nywerheid in die land gedoen word.

A Navorsers op die voorpunt

Verskeie NWU-navorsers deel hul kundigheid met die wêreld.

- ⇒ Die kwalifikasies van die direkteur van die Skool vir Biokinetika, Rekreasie en Sport op die Potchefstroomkampus posisioneer hom as een van die voorste 14 antropometriste in die wêreld. In 2012 is hy hervre kies as voorsitter van die Internasionale Vereniging vir die Bevordering van Kinantropometrie.
- ⇒ 'n Kundige van die Skool vir Omgewingswetenskappe is uitgenooi deur die komitee vir wetenskap en tegnologie van die Verenigde Nasies se Konvensie vir die Bekamping van Verwoestyning om lid te wees van 'n ad hoc-komitee wat wetenskaplike advies oor die bekamping van verwoestyning en droogtekswessies ontleed.

A Toekennings vir navorsers

Verskeie NWU-navorsers het onlangs nasionale en internasionale toekennings ontvang.

- ⇒ 'n Fisikus van die Sentrum vir Ruimte-navorsing het 'n A1-gradering van die Nasionale Navorsingstigting ontvang, en 'n toekenning gekry van die Suid-Afrikaanse Akademie vir Wetenskap en Kuns. Hy is ook lid van die Suid-Afrikaanse Ruimte-agentskap en die Space Science Expert Group.



⇒ 'n Navorsers van Opvoedingswetenskappe is aangewys as een van die *Mail & Guardian* se 200 Jong Suid-Afrikaners vir haar bydraes in haar vakgebied.

⇒ In 2012 het vier wetenskaplikes van die Skool vir Biologiese Wetenskappe op die Potchefstroomkampus 'n prys ontvang vir die beste natuurwetenskappe-artikel in Afrikaans in 'n geakkrediteerde tydskrif. Daarby het 'n navorsers in die Hipertensie in Afrika-navorsingspan (HART) 'n goue Stetoskoop-toekenning gewen vir die beste artikel gepubliseer in 2011 in die *Cardiovascular Journal of Africa*.

⇒ Die Intelligente Vraagsekuriteit en Sigbaarheidstelsel-projek in die Skool vir Elektriese, Elektroniese en Rekenaaringenieurswese het onlangs die toekenning van die Departement van Handel en Nywerheid gekry vir die beste THRIP-projek vir 2012 in die afdeling vir Gevorderde Hoë Tegnologie.

⇒ Die direkteur van die Hipertensie in Afrika-navorsingspan het 'n AU TWAS (Academy of Sciences for the Developing World) Jong Wetenskaplikes Nasionale Toekenning gekry in die kategorie Lewens- en Aardwetenskappe.

⇒ 'n Wetenskaplike in die Skool vir Fisiese en Chemiese Wetenskappe het die gesogte De Beers goue medalje gewen vir sy lewenslange bydrae tot Fisika.

⇒ Die Navorsingsmedalje van die Opvoedkundevereniging van Suid-Afrika is onlangs aan 'n navorsers in die Skool vir Opvoedkundige Wetenskappe op die Vaaldriehoekskampus toegeken.

A **Nasionale en internasionale samewerking**

Die NWU werk saam met verskeie universiteite en ander entiteite in Suid-Afrika en die buiteland. Hier is slegs enkele voorbeelde van hoe die universiteit sy kundigheid tot voordeel van die land, die vasteland en uiteindelik die wêreld implementeer:

⇒ Die Sentrum van Uitnemendheid vir Voeding op die Potchefstroomkampus het onlangs 'n projekkontrak ter waarde van R1 500 000 gekry by die Verenigde Nasies se Kinderfonds (UNICEF). Die projek behels 'n voldoeningsopname aan die Wêreldgesondheidsorganisasie se kode vir die bemaking van borsmelksubstitute in vier provinsies in Suid-Afrika.

⇒ Die Britse Farmakopee-kommissie het 'n navorser aangewys as lid van die Kundighedsadviesgroep MC2 (Medisinalre Chemikalieë) om hulle te adviseer.

Hierdie navorser is verbonde aan die Navorsingsinstituut vir Industriële Farmasie (NIIF), waarby die Sentrum vir Kwaliteitsversekering van Medisynes (CENQAM)® geïnkorporeer is.

⇒ Die Sentrum vir Bedryfswiskunde en Informatika het ongeveer R4,8 miljoen oor verloop van drie jaar van die Departement van Wetenskap en Tegnologie (DWT) ontvang ter ondersteuning van navorsing op die gebied van finansiële risiko-ontleding.

⇒ Die Instituut vir Ernstige Speletjies (Serious Games) – Suid-Afrika (SGI-SA) op die Vaaldriehoekkampus werk saam met die Europese Unie aan die ontwikkeling van 'n Mandela 27 Jaar-projek ter bevordering van interkulturele dialoog in 'n medium waarmee jongmense vertrou is.

⇒ Die Optentia-navorsingsfokusarea het 'n samewerkingsooreenkoms met die

⇒ Universiteit van Namibië gesluit om saam navorsing te doen oor die florering van individue en instellings, veerkragtigheid van kinders en welstand in gesinne.

⇒ Die navorsingsnisarea, MUST, werk aan navorsingsinisiatiewe vir bedryfsreuse soos Google.

⇒ Die navorsingsdirekteur van UPSET is genooi om te dien op die Nasionale Navorsingstigting se taakspan vir Betekenisvolle Internasionale Erkenning.

⇒ Die Sentrum vir Inheemse Kennisstelsels (IKS) op die Mafikengkampus is aangewys as 'n NEPAD/SANBio Regionale IKS-nodus vir die Suider-Afrikaanse streek om IKS-netwerkaktiwiteite te koördineer wat geïnisieer en ondersteun word deur NEPAD. Die sentrum bestuur 'n projek oor die integrasie van IKS in biowetenskappe wat vyf lande in die streek vir die tydperk 2010 tot 2013 insluit.

⇒ Die Nasionale Kernreguleerder van Suid-Afrika het die Mafikengkampus se Sentrum vir Toegepaste Stralingswetenskap en -tegnologie gemagtig om die nodige



aktiwiteite in die mynbousektor uit te voer ter verbetering van stralingsveiligheid en om kernafvalminimalisering en -bestuur te bewerkstellig.

A Meer oor 'n aantal navorsingsentiteite

- ⇒ **Materiaalwetenskapinnovasie en Modelling (MaSIM)** is 'n nuut gestigte navorsingsfokusarea wat beoog om 'n toonaangewende navorsings- en ontwikkelingsentrum te word op die gebied van materiaal-, metaal- en nanotegnologie-inisiatiewe vir probleemoplossing regoor Suid-Afrika.
- ⇒ **Voedselsekureit en -veiligheid in die Noordwesprovinsie** is 'n navorsingsnisarea met die doelwit om by te dra tot verbeterde voedselsekureit in die Noordwesprovinsie. Navorsing fokus op veeproduksie en -gesondheid, plantvoedselproduksie en landbou-ekonomie en -uitbreiding.
- ⇒ **Bevolking en Gesondheid**, ook 'n navorsingsnisarea, beywer hom om nuwe kennis en insigte te ontdek deur innoverende navorsing in twee subprogramme, naamlik Huishoudelike gesondheid en bevolkingsverandering, en Vrugbaarheid, armoede en MIV/VIGS.
- ⇒ Die **Sentrum vir Hoëprestasie-berekening** op die Potchefstroomkampus is bekend vir die hoë gehalte van hul eksperimentele toerusting wat gebruik word vir berekeningsintensiewe navorsing in 'n wye verskeidenheid dissiplines.

A Nuwe verwikkelings

In 2012 het die Potchefstroomkampus ook 'n Normeringsentrum vir Korporatiewe Maatskaplike Verantwoordelikheid tot stand gebring in sy fokusarea: Maatskaplike Transformasie. Hierdie sentrum monitor die standarde van Korporatiewe Maatskaplike Verantwoordelikheid in groot maatskappye met die fokus op die mynbousektor. 'n Hipertensiekliniek wat enig in sy soort is en fokus op navorsing oor hoëvlakbloeddruk het ook op die Potchefstroomkampus geopen.

In nog 'n nuwe inisiatief is 'n Sentrum vir Waternavorsing op dieselfde kampus tot

stand gebring. 'n Nuwe ooreenkoms is ook gefinaliseer met die Tegnologie-innovasie-agentskap vir die totstandbrenging van 'n nasionale platform in Metabolomika op die kampus.

A Gehuisveste entiteite

Verskeie sentrums, platforms en institute word by die NWU gehuisves, hoofsaaklik op die Potchefstroomkampus. Hulle is die volgende:

- ⇒ Die DWT/NWU Prekliniese Geneesmiddelontwikkelingsplatform
- ⇒ Die Sentrum vir Menslike Metabonomika
- ⇒ Die DWT HySA Infrastructure-bevoegdheidsentrum vir waterstofproduksie, -berging, -retikulasie en veiligheidskodes en standarde
- ⇒ Die Thedti Sentrum vir Gevorderde Vervaardiging
- ⇒ The DWT Sentrum vir Uitmendheid in Inheemse Kennisstelsels. (Hierdie een is op die Mafikengkampus.)

Die Potchefstroomkampus het ook 'n kommersiële navorsingsentiteit, naamlik die Sentrum vir Farmaseutiese en Biomediese Dienste.

A Navorsingsleerstoel

In 2012 het die Departement van Wetenskap en Tegnologie (DWT) twee nuwe navorsingsleerstoel aan die NWU se Potchefstroomkampus toegeken, naamlik Steenkoolnavorsing, en Vroeë opsporing en voorkoming van kardiovaskulêre siekte in Afrika. In dieselfde jaar het Eskom 'n navorsingsleerstoel in Emissiebeheer aan die kampus toegeken. Die kampus het ook 'n navorsingsleerstoel in Kerningenieurswese, een in Astrofisika en Ruimtefisika, en 'n DWT/SANERI-medeleerstoel in Biobrandstowwe en ander skoon alternatiewe brandstowwe.

A Inkomste deur innovasie

Behalwe dat die NWU nasionale en internasionale erkenning ontvang, genereer

die NWU se innovasie ook alternatiewe inkomstebronne. Patente en inkomste uit produkverkope genereer ongeveer R3 miljoen per jaar.

A Totale navorsingsuitset

In 2012 het die NWU 'n algehele publikasie-uitset van 935 (tydskrifte, raming van boeke en konferensiepublikasies) behaal.

Totale navorsings-uitset*	2009	2010	2011	2012
	1 186	1 330	1 483	1 830

* *Sluit navorsingsmeestersgrade, PhD's maal drie en publikasies in (insluitende 'n raming van boeke, konferensieverrigtinge-publikasies en artikels)*

A Newemaatskappye

Die NWU gebruik die stigting van innoverende klein en mediumgrootte newemaatskappye as deel van die kommersialiseringstrategie en hou ekwiteit in sommige van hulle.

Sedert die samesmelting in 2004 het die totale aantal tegnologie-newemaatskappye van nege tot 16 in 2012 toegeneem, waarvan 13 in daardie stadium nog aktief was.

A Die stel van nuwe standaarde

Aangesien daar geen Suid-Afrikaanse presedent bestaan wat toepaslike marknorme vir die NWU se innovasiepoging voorsien, ontwikkel die universiteit sy eie teikens wat op ervaring gebaseer is. Norme sluit die getal patente in wat in Suid-Afrika en in die buiteland geregistreer is, die getal nuwe lisensie-ooreenkomste, die inkomste uit tantièmes en produkverkope, en die getal nuwe newemaatskappye, NWU-filiale en geassosieerde maatskappye.

gemeenskapsverbinten

Die NWU beskou die implementering van kundigheid as 'n uitbreiding van die kernaktiwiteit van die universiteit, met

gemeenskapsontwikkeling wat deel uitmaak daarvan. Hiermee skep die universiteit geleenthede vir sy studente en personeel om hul kundigheid deur verskeie projekte in gemeenskappe te implementeer.

A Dienste aan plaaslike en provinsiale regerings of nasionale liggame

⇒ Die Departement van Kuns en Kultuur het die Potchefstroomkampus se **CTeX** aangestel om die Hulpbronbestuursagentskap tot stand te bring vir die bestuur en verspreiding van herbruikbare teks- en spraakhulpbronne vanaf een sentrale punt.

⇒ 'n **Pro bono-kantoor** op die Potchefstroomkampus help plaaslike regerings in Noordwes met gratis advies oor omgewingsbestuur en impakstudies. Dit volg nadat die Departement van Omgewingsake die behoefte geïdentifiseer het, en ná 'n ondersoek by verskeie Suid-Afrikaanse universiteite die NWU geïdentifiseer het om die eerste kantoor as loodsprojek te open.

⇒ **TRADE**, in die Skool vir Ekonomie op dieselfde kampus is deur die Departement van Handel en Nywerheid gekontraakteer om realistiese uitvoergeleenthede vir Suid-Afrikaanse uitvoerders te identifiseer.

⇒ Die Potchefstroomkampus en die Departement van Handel en Nywerheid (DHN) het die tegnologie gevorderde superkritiekvloeistof-ekstraksielaboratorium en -loodsaanleg geopen, 'n eerste vir Afrika. Die **DHN Sentrum vir Gevorderde Vervaardiging** gebruik groen tegnologie om onder meer essensiële olies, geursels en ander verbindings op 'n veilige manier te ekstraheer vir gebruik in die kosmetiek-, voedsel- en mediese industrie.

⇒ Personeel van die navorsingsnisarea, **Medisyneverbruik in Suid-Afrika**, is betrokke by die Suid-Afrikaanse Aptekersraad om 'n gradeerstelsel vir openbare en privaatsektor-apteke te ontwikkel.



⇒ Die **Vaaldriehoek**kampus het ooreengekom met plaaslike en streekmunisipaliteite om te help met kapasiteitsbou van raadslede en amptenare, en om gesamentlike projekte aan te pak wat daarop gemik is om individue en gemeenskappe te leer om gemeenskapsontwikkeling beter te verstaan en meer doeltreffend daaraan deel te neem.

⇒ Die **Vaaldriehoek**kampus is ook betrokke by die Molefi Olifant-leierskapsinstituut, wat lewensvaardigheidsprogramme skep om professionele sokkerspelers met die bestuur van hul finansies te help.

Die kampus help die instituut deur navorsing te doen en kortkursusse aan te bied.

⇒ Die nisarea, **Voedselsekuriteit en Veiligheid in die Noordwes**provinsie (op die Mafikengkampus), help die Nasionale Departement van Landbou, Bosbou en Visserye met die implementering van die "Zero Hunger"-strategie om honger uit te wis.

⇒ Die **Sentrum vir Inheemse Kennisstelsels**, ook op die Mafikengkampus, werk met die

Departement van Wetenskap en Tegnologie (DWT) en die Suid-Afrikaanse Kwalifikasie-oewerheid saam aan 'n inisiatief om die akkreditering van tradisionele leiers en genesers te bewerkstellig. In 2013 het die sentrum en die DWT saam 'n internasionale konferensie aangebied oor die waarde van inheemse kennis in die 21ste eeu.

⇒ Die **Skool vir Landbouwetenskap**, in vennootskap met onder meer die Provinsiale Departement van Landbou en Landelike Ontwikkeling en die Mahikengen Groter Taung-munisipaliteite, het deelgeneem aan boeremarkte. Die doel is om kleinboere in die omliggende gebiede toegang te gee tot markgeleenthede sodat hulle vars produkte aan plaaslike markte kan lewer.

⇒ Die **Mafikengkampus**, die Noordwes Provinsiale Regering en Statistiek Suid-Afrika het 'n vennootskap aangegaan om vaardigheidsontwikkeling in die provinsie te bespoedig.

⇒ Tesame met die Direkoraat Veeartsenykundige Dienste van die Noordwes Departement van Landbou en Landelike

Ontwikkeling lewer die Mafikengkampus se **Skool vir Landbou** algemene veeteelt-dienste aan boere in die landelike dele van die provinsie.

Deel van die aktiwiteite vir die implementering van kundigheid, soos kortkursusse, konsultasie, dienslewering en tegnologieoordrag **genereer derdegeldstroominkomste**.

Die NWU is egter ook betrokke by verskeie gemeenskapsverbintenisaktiwiteite wat **nie op winsbejag ingestel is nie**.

Hierdie aktiwiteite word deur universiteit se personeel en studente uitgevoer om die gemeenskap op te hef en te ontwikkel.

Dit wissel van ontwikkelingsbetrokkenheid tot gemeenskapsdiensprojekte en die voorsiening van kundigheid op 'n vrywillige grondslag aan verskeie instansies.

Die NWU het gemeenskapsverbintenis as 'n strategiese prioriteit geïdentifiseer wat kan help om die beoogde lewenskragtige, dinamiese en innoverende karakter van die universiteit uit te bou.

gemeenskapsprojekte

Daar is tans meer as 150 gemeenskaps-verbintenisprojekte by die NWU aan die gang.

⇒ **Mosaïekprojek:** Hierdie weeskindsorgprojek fokus op die bou van huise vir gesinne wat weeskinders in pleegsorg neem. Dit skep ook werksgeleenthede vir pleegouers deur 'n boukontrakteursonderneming en 'n onderneming genaamd "Made by Mosaic". Die projek behels ook maatskaplike ontwikkelingsprogramme en 'n kleuterskool vir MIV-geïnfekteerde kinders.

⇒ **Verbetering van lewensgehalte:** Die Afrika-eenheid vir Transdissiplinêre Gesondheidsnavorsing (AUTHeR) in die Fakulteit Gesondheidswetenskappe op die Potchefstroomkampus bestuur verskeie gemeenskapsprojekte wat daarop gemik is om die lewensgehalte in gemeenskappe te verbeter. Hierdie projekte sluit in die Holding Hands-projek, Glasherwinningprojek en LIFEPLAN® wat deel uitmaak van die sogenaamde FLAGH-program.



- ⇒ **Gesondheidsdienste:** Verskeie fakulteite en skole bied gesondheidsdienste aan die gemeenskap. Dit is onder meer gratis diagnostiese toetse deur studente by gemeenskapsapteke en by staats- en privaat hospitale, werksinkels oor streshantering, en 'n navorsingsprojek oor die kardiovaskulêre gesondheid van onderwysers in die Potchefstroomgebied.
- ⇒ **Dieregesondheid:** Die Dieregesondheidsentrum op die Mafikengkampus verskaf primêre dieregesondheidsorg-dienste aan mense wat nie veeartsenykundige dienste kan bekostig nie.
- ⇒ **Regsdienste aan die gemeenskap:** Die Gemeenskapsregsentrum (in die Regsfakulteit op die Mafikengkampus) en die Sentrum vir Gemeenskapsreg en -ontwikkeling (in die Regsfakulteit op die Potchefstroomkampus) voorsien praktiese regsopleiding aan kandidaatprokureurs en LLB-studente in hul finale jaar. Hulle lewer ook gratis regsdiens aan diegene wat nie regsadvies kan bekostig nie. Ander dienste sluit in kapasiteitsbouprogramme en programme op gemeenskapsradiostasies. 'n Eenheid vir kinderregte is ook tot stand gebring.

A Meertaligheid

'n Verskeidenheid gemeenskapsinisiatiewe onderlê die gees van die universiteit se funksionele meertaligheidsbeleid. Voorbeelde van die gemeenskapsinisiatiewe wat deur die NWU se Taaldirekoraat van stapel gestuur is, sluit in tolkdienste in twee skole en 'n drietalige leesprojek in vyf laerskole wat deur die Rotariërklub van Orkney medebefonds word.

Ander inisiatiewe sluit in die kortkursusse vir vertalers en gespesialiseerde vertaling (subtitels), aangebied deur lede van die Vaaldriehoekkampus se Skool vir Tale.

SA Gebaretaal is ook in 2011 ingevoer as 'n volwaardige taalvak in die Skool vir Tale op die Potchefstroomkampus. Daarby is

die Taaldirekoraat ook betrokke by die opleiding van Gebaretaalolke deur middel van kortkursusse wat gesamentlik deur die Institusionele Kantoor en DeafSA aangebied word.

A Bevordering van die kunste

Die ontwikkeling van die kunste in die Noordwesprovinsie is nog 'n prioriteit en daarom bied die Instituut vir Kunstebestuur en -administrasie (Artéma) op die Potchefstroomkampus leerderskapprogramme en sertifikaatkursusse aan.

A Terug skool toe

In die lig van die agterstande in Suid-Afrikaanse skole, veral wat wiskunde en wetenskap betref, is dit vir die NWU belangrik om by skole in die omgewing van sy kampusse betrokke te wees. Die universiteit help dan ook om duisende matrikulante uit voedingskole vir die tersiêre onderwysomgewing en die werksêreld voor te berei.

- ⇒ Die **Siyakhulisa-program vir Vroeë Kinderontwikkeling** poeg om die standaard van voorskoolse onderwys en Vroeë Kinderontwikkeling in die Vaaldriehoek te verbeter. Voorskoolse onderwysers woon 'n opleidingsprogram by wat deur die Skool vir Opvoedkundige Wetenskappe aangebied word.
- ⇒ Die **Ikateleng-projek** is daarop gemik om belowende graad 12-leerders vir hul matriekeksamen en die uitdagings van die universiteitslewe voor te berei en word in die drie kampusse se omliggende gebiede aangebied. In 2012 was die gemiddelde slaagsyfer by die onderskeie sentrums 93%, en is 302 onderskeidings behaal.
- ⇒ Tydens die **Winterskool** op die Mafikengkampus bied personeel en studente aanvullende onderrig wat graad 12-leerders help om vir hul finale eksamen voor te berei.

A Musiekprogramme

Musiekprogramme soos die Musikhane-projek en die Suid-Afrikaanse Musiekuitreik-projek leer kinders van benadeelde gemeenskappe om musiek te lees en verskeie instrumente te bespeel.

A Verbetering van die gehalte van onderrig

- ⇒ Die **Sediba-projek** poog om die gehalte van onderrig in wetenskap en wiskunde te verbeter en onderwysers te help om Hoëronderwysdiplomas te verwerf.
- ⇒ Die **Education Quality Improvement Partnership Programme (EQUIP)** is 'n heleskool-ontwikkelingsprogram wat kapasiteit op die vlak van leierskap, bestuur en korporatiewe bestuur binne die skole bou. In samewerking met die Noordwesprovinsie se Onderwysdepartement voorsien die universiteit opleiding en ander ondersteuning aan skoolbeheerliggame, bestuurspanne en opvoeders. Die projek sluit ook indiensopleiding vir Engels medium-onderrig in.
- ⇒ As deel van die **Vennootskappe vir Hoop-projek** is skole in die Kenneth Kaunda-distriksmunisipaliteit ondersteun deur werkswinkels en deur die plasing van onderwysstudente vir werk-geïntegreerde leer (prakties) in daardie skole.

A Bekamping van MIV/VIGS

In ag genome die geweldige impak wat die MIV/VIGS-pandemie op Suid-Afrika gehad het, beskou die Universiteit die bekamping van MIV/VIGS as 'n prioriteit. Studente op al drie kampusse is aktief betrokke by MIV/VIGS-bewusmaking onder die gemeenskappe.

Hul aktiwiteite wissel van die aanbied van voorligtingswerkswinkels tot die reël van geleenthede soos antidiskriminasie-optogte, kersweke en kondoomweke.

A Studentebetrokkenheid by gemeenskappe

'n Belangrike deel van die studentelewe aan die NWU is die geleentheid om 'n bydrae tot die gemeenskap te lewer deur vrywilligersdiens.

- ⇒ **Studentejool-gemeenskapsdiens:** Die geld wat tydens die jaarlikse Jool en ander projekte ingevorder word, word versprei aan gemeenskapsgebaseerde liefdadigheidsorganisasies of aan NWU akademiese personeel wat by gemeenskapsprojekte betrokke is.

Die Potchefstroomkampus is sedert 2006 die grootste geregistreerde studentewelsynsorganisasie ter wêreld en het in 2012 die internasionale MacJannet-prys van die Taillores Network ontvang vir hul goeie werk en globale burgerskap. In 2013 het hulle ongeveer R1,4 miljoen aan verdienstelike projekte en individue geskenk.

- ⇒ **Etes vir behoeftige studente:** Die kampusse hou fondsinsamelingsfunksies soos gholf- en jazz-dae en fietswedrenne om te verseker dat behoeftige studente daaglik twee gebalanseerde etes ontvang.
- ⇒ **Kinderhuise:** Studente doen vrywillige gemeenskapsdiens by plaaslike kinderhuise, skuilings vir haweloses, ouetehuse en die DBV.

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 (ofisi-kgolo) 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 kwantle 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 lefshwaofoko, leina la setheo – Yunibesiti ya Bokone-Bophirima.

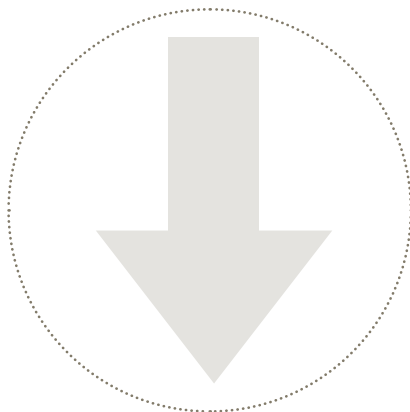
“Dikeetane” tse tharo tse di gokaganang di tshwantshetsa kutlwano ya Yunibesiti ya Bokone-Bophirima mme mebala e meraro e tshwantshetsa dipharologano tsa methalethale tsa dikhamphase tse tharo.

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.

Vir meer inligting oor die
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