

# 2021

# UP

## AT A GLANCE



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA



# ACADEMIC OFFERING

UP has 9 Faculties &  
1 business school



EDUCATION



HUMANITIES



LAW



HEALTH  
SCIENCES



THEOLOGY AND  
RELIGION



VETERINARY  
SCIENCE



ECONOMIC  
AND  
MANAGEMENT  
SCIENCES



NATURAL AND  
AGRICULTURAL  
SCIENCES



ENGINEERING,  
BUILT  
ENVIRONMENT  
AND  
INFORMATION  
TECHNOLOGY



GORDON  
INSTITUTE  
OF BUSINESS  
SCIENCE (GIBS)

4

Centres of  
Excellence

1 175

Study  
programmes

51

Research  
Chairs

120

Academic  
departments

145

Undergraduate programmes

72

Research  
Institutes and  
Centres

237

Degrees,  
certificates  
and diplomas

**A WORLD-CLASS  
UNIVERSITY**

**#48**

Mineral and Mining  
Engineering\*

**#49**

Veterinary  
Science\*\*

**#60**

Law\*

\* Universal Ranking by Academic Performance (URAP) for subjects

\*\* 2020 QS World University Rankings and Shanghai Rankings

GIBS named  
top business  
school in Africa  
for executive  
education<sup>1</sup>

# QUALITY

We are recognised as leaders in quality education delivered by a talent bank of educators

## TOP IN THE WORLD

### TOP 1%

UP ranks in the top 1% internationally in 10 fields:

Agricultural Sciences

Biology & Chemistry

Clinical Medicine

Economics  
& Business

Engineering

Environment/Ecology

Immunology

Microbiology

Plant and Animal  
Sciences

Social  
Sciences<sup>2</sup>

## 565

NRF-rated researchers

## 16

A-rated NRF-rated researchers

## 69.4%

Academic staff with doctorates

## TOP IN AFRICA

Ranked #1 in Africa

School of Engineering in the Faculty of Engineering, Built Environment and IT<sup>3</sup>

Veterinary Science<sup>4</sup>

Law<sup>4</sup>

## TOP IN SOUTH AFRICA

### Leading University in four subjects

Theology, Divinity & Religious Studies

Engineering (Electrical and Electronics)

Mathematics

Accounting & Finance

### 100% pass rate

In SAICA CA qualifying exam<sup>5</sup>

### Leading departments

Department of Materials Science and Metallurgical Engineering<sup>6</sup>

Department of Law ranked first for the highest number of accredited research outputs<sup>7</sup>

1: Financial Times Executive Education 2020 Ranking 2: Web of Science Essential Science Indicators 3: 2020 US News and World Report Rankings on the Best Global Universities for Engineering 4: 2022 Times Higher Education's World University Rankings 5 January 2021 Initial Test of Competence (ITC) 6: Minerals Education Trust Fund, 2020 and 2021 7: Report on the evaluation of the 2018 Universities' Research Output released by the DHET, April 2020



# RELEVANCE AND IMPACT

We produce research that is relevant  
and makes an impact

## GLOBAL RESEARCH BREAKTHROUGHS

### SMART, SAFE LISTENING

UP produces world-first technology to measure personal sound exposure in a person's ear canal, with smartphone feedback, to encourage safe listening use among young people.

### INSIGHTS INTO THE UNIVERSE

UP researchers are part of a team that solves the mystery of X-shaped radio galaxies with MeerKAT telescope.

### COVID-19 APP

UP's Department of Statistics, in collaboration with a partner in

the Middle East, developed what is believed to be the first interactive App in the country. The App provides real-time data on COVID-19.

### RHINO FERTILITY

UP is working with international partners to perform in vitro fertilisation to support dwindling rhinoceros populations.

### SIMPLE TB DETECTION

UP and the University of Leicester are revolutionising the way tuberculosis is detected through a 3D-printed insert added to simple face masks.

## RESEARCH FOCUS AREAS

- Agriculture and sustainable food systems
- Climate change and the environment
- Economic development and sustainable futures
- Energy
- Heritage studies
- Inequalities, Social Justice and Human Rights
- One Health
- Smart infrastructure and innovation
- Water

# CREATING KNOWLEDGE

We are recognised for transdisciplinary research and partnerships

We address the world's challenges through collaboration, transdisciplinary approaches and exciting new platforms to co-create new knowledge that translates into solutions.



## ENGINEERING 4.0

Collaborative hub for Smart Cities and Smart Transport



## FUTURE AFRICA INSTITUTE

Dedicated campus for students to undertake research relevant to Africa's development



## INNOVATION AFRICA@UP INITIATIVE

Focusing on agriculture and food security



## JAVETT-UP ART CENTRE

Focusing on the importance of Africa and its art in the world

## FIRST FOR PARTNERSHIPS

### First university in Africa

... chosen to host the Nobel Prize dialogue, the theme of which was 'The Future of Work'

### First university in South Africa

... to partner with the Joint Institute for Nuclear Research  
... admitted to the Alliance for African Partnership (AAP) led by Michigan State University

# DEVELOPING PEOPLE

Our graduates are well-rounded individuals, socially responsible citizens, and highly employable

**55 738**

Total number of contact students enrolled



**57%**

Women students registered



**60%**

Black students registered



**54%**

Students who are enrolled in scarce skills areas



**94%**

Full-time undergraduates who passed their 2020 exams

## TOP 4

UP ranked among the top four SA universities in the Quacquarelli Symonds 2020 Graduate Employability Survey, which shows our graduates are highly sought after

**303 273**

Alumni in 131 countries



# 95%

Undergraduate modules available online, enabling online teaching and learning and preparing our graduates for the new world of work



## OFFERING STRONG LEARNING SUPPORT

### **FLY@UP**

Ensures students can graduate in minimum time

### **FLYHIGHER@UP**

Improves postgraduate success rate

### **SOCIAL LEARNING SPACES**

Mimic real-world work and social environments

### **CONNECTED CAMPUSES**

Fibre optic connectivity across all campuses

### **DEDICATED ECP CAMPUS**

The Mamelodi Campus hosts UP's flagship BSc and BCom Extended Curriculum Programmes (ECPs) to set students up for success in the first year of their studies.

## IN TOUCH WITH THE WORLD OF WORK



### **CENTRE FOR ENTREPRENEURSHIP**

Enhancing employment opportunities and supporting entrepreneurs



### **READY FOR WORK PROGRAMME**

Preparing students to excel in the workplace, and in the gig economy



### **CENTRE FOR THE FUTURE OF WORK**

Researching new ways of working to create a future-fit world

# MAKING A DIFFERENCE

We have a strong reputation, locally and globally, for making a difference

## TOP 16

UP is the only representative from Africa in the new University Social Responsibility Network, an international group of 16 top universities



**33 000**

Students involved in community projects

## TOP 100

The Times Higher Education Impact Rankings rated UP among the top 100 universities in the world in five categories based on the Sustainable Development Goals:

**3** GOOD HEALTH AND WELL-BEING



**4** QUALITY EDUCATION



**9** INDUSTRY, INNOVATION AND INFRASTRUCTURE



**16** PEACE, JUSTICE AND STRONG INSTITUTIONS



**17** PARTNERSHIPS FOR THE GOALS



## STRONG INTERNATIONAL PROFILE

### Partnering with

... the Southern African-Nordic Centre (48 universities)

... the Atlantic ECOsystems (36 partners from the EU, Brazil and SA)

### Principal coordinator

... of Dirisana, a medical capacity-building project, funded by the EU

### Lead university

... in Food Systems Research Network for Africa

### Working with

... UNICEF and the UNDP to address developmental challenges of young people