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PROFILE OF BUSINESS ENTERPRISES AT  
UNIVERSITY OF PRETORIA (PTY) LTD  
(BE at UP)

In 2000 a structure for campus enterprises was established to enable the University of Pretoria to position itself as a true leader in the fields of research, training and consulting. These campus enterprises promote contact with the private and the public sector, as well as the broader community. One of the enterprises established was Business Enterprises at University of Pretoria (Pty) Ltd (BE at UP), in which the University has 100% shareholding.

BE at UP acts as facilitator that allows the business world access to the vast pool of multidisciplinary brainpower and resources at the University. It aims at creating an environment for entrepreneurship, which includes the commercialisation and marketing of viable products and services in a wide variety of fields.

*A selected profile of available services:*

- Economic input/output models for local government, and local and international investors
- Statistical data-mining solutions
- Business and professional ethics strategies
- Consultation and research in the fields of community health, public health and health systems
- Forensic analysis of drugs of abuse
- Actuarial risk management solutions
- Gender audits and related research activities
- Macroeconomic modelling
- Water quality assessments for livestock, game, domestic use and irrigation purposes
- Organisation and work behaviour assessment
- Business strategy services
- Human capital and risk management
- Clinical trials
- Development and planning in the field of tourism
- Cultural resource management and relocation of graves
- Consultation and research on Information Communication Technology (ICT)

 **BUSINESS ENTERPRISES**  
UNIVERSITY OF PRETORIA

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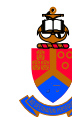
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 **BUSINESS ENTERPRISES**  
UNIVERSITY OF PRETORIA

## *FORENSIC DIVISION*



**FORENSIC ANALYSIS  
of  
DRUGS OF ABUSE**



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

**NATURAL AND  
AGRICULTURAL  
SCIENCES**

## *BACKGROUND*

The abuse of illegal substances is an ever-increasing phenomenon in South Africa. Corrective action and legal procedures require reliable identification of the active ingredients in illegal formulations. To address the current situation in our country a fast and cost effective response is of utmost importance. The forensic division of Business Enterprises at University of Pretoria (Pty) Ltd has the ability and expertise to achieve exactly this objective. BE at UP facilitate effective business solutions through innovative commercial contract research and consultation. The demand for training of forensic chemists, law practitioners and investigators in this field can also be met with the forensic division being affiliated to the University of Pretoria.



## *MISSION*

The provision of a cost effective professional and unbiased scientific service to the community in the field of forensic analysis of illegal substances.



## *SERVICES*

- IDENTIFICATION of illegal substances.
- SCREENING AND CONFIRMATORY tests for illegal substances in human body fluids.
- QUANTIFICATION of active ingredients.
- CRIME SCENE INVESTIGATION.
- EXPERT CONSULTATION for criminal- and civil law practitioners as well as advice to parents, schools, organisations, etc.
- EXPERT WITNESSING in criminal and civil courts.
- RESEARCH AND DEVELOPMENT in the field of forensic drug analysis.
- TRAINING of forensic chemists.

## *FACILITIES*

The Forensic Drug Analysis Laboratory is situated in the Department of Chemical Pathology on the Prinshof Campus of the University of Pretoria. The facility is equipped with state-of-the-art gas chromatography-mass spectrometry (GC-MS) equipment, which is the technique of choice for drug analysis.

Other techniques also available in this facility are high performance liquid chromatography (HPLC), infrared (IR) and ultraviolet/visible (UV/VIS) spectrometry, as well as nuclear magnetic resonance (NMR).



## *COST*

The active ingredient of an unknown formulation can be identified from as little as R250-00 (excl VAT).



The cost of the other services should be negotiated due to their diverse nature.

## *COMMUNITY PROJECTS*

The University of Pretoria is committed to the community at large and is currently involved in the following projects:

- The Hatfield CBD "Clean-up" project,
- Regular articles on issues of drug abuse in various magazines and publications.

## *EXPERTISE*

Dr Tim Laurens, technical director of this facility, has more than 25 years experience in chemical analyses with extensive experience in the analysis of illegal substances.