

The University of KwaZulu-Natal (UKZN) is committed to Employment Equity with the intention to promote representivity within the Institution. Preference will be given to applicants from the designated groups in accordance with our Employment Equity Plan.

COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE

**ASSOCIATE PROFESSOR/SENIOR LECTURER (PHYSICAL AND INDUSTRIAL CHEMISTRY)
SCHOOL OF CHEMISTRY & PHYSICS
PIETERMARITZBURG CAMPUS**

REF NO.: CP09/2017

The School has active research and teaching programmes at the Durban and Pietermaritzburg Centres. The School aims to build its capacity in the areas of Chemical Thermodynamics and Industrial Chemistry, both at undergraduate and postgraduate levels. The appointee will thus be expected to teach Physical Chemistry at all levels of the Chemistry programme and some modules in Chemical Technology/Industrial Chemistry, engage in an active research programme and supervise postgraduate students. Applicants from industry should fulfill the scientific criteria and have shown competency in managing a team or teams of researchers in relevant areas.

The School has state-of-the-art instrumental facilities with excellently equipped undergraduate and research laboratories. The school has an extensive research base with first class spectroscopic and analytical instrumentation in NMR, IR, Raman, Fluorescence, Singlet Oxygen Phosphorescence, Laser Flash Photolysis, X-ray diffraction (powder and single crystal) and electrochemical instrumentation. There is a wide range of HPLC and GC instrumentation available including LC-MS and GC-MS. The University have materials characterization instruments such as the HRTEM, SEM/EDX, BET and AFM among others. The School has also recently established a "university-wide" Nanotechnology Platform.

The incumbent will report to the Academic Leader: Chemistry.

Minimum Requirements:

- A PhD degree in Physical Chemistry or related field
- Experience in teaching at a tertiary institution
- Demonstrated ability to attract external research funds
- A current and sustained research record of publications in quality peer-reviewed ISI/SAPSE accredited journals appropriate for the level of appointment
- Successful supervision of postgraduate students (MSc and/or PhD) or an equivalent to research supervision in Physical Chemistry/related field

In addition to the above.

Associate Professor

- Successful supervision of postgraduate students including at least one PhD student in Physical Chemistry/related field

Applicants should indicate at which level of the post they wish to be considered for.

These appointments will be made in line with the University Guidelines/benchmarks which are available on the University Vacancies website on <http://vacancies.ukzn.ac.za/Academic-Process-Proc-Guides.aspx>

Enquiries and details regarding this post may be directed to the Dean & Head of School: Professor Ross Robinson, 033 260 56223 or e-mail: robinsonr@ukzn.ac.za

Appointment to these posts will be on the January 2012 Conditions of Service, where applicable.

The total remuneration package offered includes benefits.

The closing date for receipt of applications is 15 September 2017.

**Applicants are required to complete the relevant application form and CV which is available on the Vacancies website at www.ukzn.ac.za. Completed forms and Curriculum Vitae may be sent to Recruitment-aes@ukzn.ac.za
Advert Reference Number **MUST** be clearly stated in the subject line.**