

DIVISION: FACULTY OF HUMAN
SCIENCES

DEPARTMENT: EDUCATION

POST: LECTURER -PHYSICAL SCIENCE
(Chemistry) X 1

POST N^o: 8570
PEROMNES GRADE: 8

JOB DESCRIPTION:

Key performance areas include but are not limited to:

- Deliver lectures, tutorials, and practical demonstrations with Chemistry content.
- Develop and implement innovative teaching strategies and assessment methods. Foster a supportive and inclusive learning environment that encourages student participation and success.
- Develop and update curriculum materials aligned with industry and academic standards. Collaborate with colleagues to enhance programme offerings and ensure alignment with institutional goals.
- Assess student performance through assignments, exams, and practical assessments.
- Conduct research in Physical Science education and contribute to academic publications in reputable peer-reviewed journals. Seek external funding and grants to support research initiatives. Present research findings at academic conferences and engage with the broader educational community.
- Supervise and mentor undergraduate and postgraduate students in their academic and research pursuits.
- Collaborate with industry partners to enhance programme relevance and professional opportunities.
- Participate in faculty meetings, accreditation processes, and quality assurance activities.
- Stay current with developments in the field of Chemistry/Physical Science education and engage in continuous professional development. Contribute to the academic community through participation in workshops, seminars, etc.
- Conduct ad-hoc duties as assigned by the line manager.

APPLICATION CRITERIA:

Qualifications and Experience:

- Master's degree in Chemistry plus a qualification in education at NQF 7; OR a master's degree in education with a specialisation in Chemistry/Physical Science education; OR closely related qualifications that include Chemistry and education with one of the qualifications at master's level.
- Teaching experience in Further Education and Training (FET) phase or higher education institutions.
- Strong understanding of curriculum development and pedagogical strategies for Physical Science education.
- Knowledge of blended learning and technology-enhanced teaching methodologies.
- Excellent communication, organisational, and interpersonal skills.
- Enrolled for a PhD qualification (added advantage).
- Minimum of two years of teaching experience in Chemistry/Physical Science at higher education institutions or schools.
- Strong understanding of pedagogical methods in Chemistry/Physical Science.
- Experience in supervising students' research projects/theses (added advantage).
- Proven track record of research output and scholarly publications in reputable peer-reviewed journals/conferences (added advantage).
- Industry experience in Chemistry/Physical Science (added advantage).
- Experience in developing and implementing innovative curricula and assessment methods (added advantage).
- Ability to integrate technology into teaching (e.g., 3D printing, IoT, AI).

Skills:

- Ability to integrate hands-on practical training with theoretical instruction.
- Ability to collaborate with colleagues and contribute to departmental initiatives.
- Commitment to diversity, equity, and inclusion in higher education.
- Excellent communication (written and verbal), organisational, interpersonal skills and planning skills.
- Commitment to sustainability and innovative practices in higher education.

CLOSING DATE FOR APPLICATIONS: 10 July 2026

Application requirements:

1. A fully completed prescribed application form which can be obtained from www.vut.ac.za
2. A detailed curriculum vitae (explicitly stating relevant experience or knowledge in the fields mentioned above)
3. Certified copies of all certificates or degrees
4. A certified copy of your South African identity document
5. Current contact details of referees

6. Applications must be emailed to recruitment3@vut.ac.za. Please quote the post reference and post description in the subject line.
Enquiries can be directed to Ms Angie Mabona at 016 950 9452/angie@vut.ac.za
7. No manual applications will be accepted. Incomplete applications, or applications submitted without the application form and required supporting documents, will be disregarded.
8. Only applications submitted using the official VUT application for employment form will be considered.
9. Correspondence will only be entered into with shortlisted candidates. If you do not hear from VUT within 3 months of the closing date, please regard your application as unsuccessful.

Please Note

- **By submitting your application, you consent to VUT verifying your qualifications and sharing your personal information with the selection panel and other authorised persons involved in the recruitment process. Candidates with foreign qualifications must submit a South African Qualifications Authority (SAQA) certificate of evaluation. VUT is an equal opportunity and affirmative action employer. In compliance with the Employment Equity Act No. 55 of 1998 (as amended), and in line with its Employment Equity Plan and Recruitment Policy, preference will be given to suitably qualified candidates from designated groups, specifically Africans, Coloureds, Indians, women, and persons with disabilities.**
- **VUT reserves the right not to make an appointment**
- **By applying for this position, you give permission to share your information with the selection panel or the relevant people involved in the recruitment.**



POSITIVE ABOUT PEOPLE WITH DISABILITIES