



FACULTY: Engineering and Technology

DEPARTMENT: Chemical and Metallurgical Engineering

POST: Senior Lecturer/Associate Professor:  
Metallurgy

POST No: 0264 PEROMNES GRADE: 7/6

#### JOB DESCRIPTION

##### **Key performance areas include but are not limited to:**

- Academic leadership – Develop and review course materials, teach and assess students at undergraduate/postgraduate levels, prepare teaching and learning portfolio as evidence of compliance to standards, and take part in department management tasks delegated by the HOD and report on achievement in PMC.
- Research – propose and design research concept notes and concept maps for post-graduate research in field of specialisation in the department, undertake post graduate supervision and examination, research and publish accredited research outputs.
- Develop curriculum in applicable field of specialisation - influence the development, maintenance, and control of curriculum in field of specialisation.
- Industry relationship building and external engagement – Liaise with industry including consultation work, project proposals and collaborative research projects.
- Community engagement – Develop community engagement project contents and study guides and take part in the implementation, participate in community flagship programme/projects.
- Leadership, university administration and enhancement aspects.
- Internal process – Conduct ad-hoc duties as assigned by the line-manager.

#### APPLICATION CRITERIA:

##### **Minimum requirements:**

##### Qualification

- PhD/Doctorate degree in Metallurgical Engineering / Chemical Engineering (specializing in Extractive Metallurgy)
- Bachelor (BEng/ BTech/ BScEng) and master's Degrees (MEng/ MTech/ MScEng) in Metallurgical Engineering / Chemical Engineering
- Professional registration with Engineering Council of South Africa

##### Experience

- A minimum of three (3) years of relevant experience after obtaining of doctoral qualification.
- DHET accredited research outputs: One (1) research output (accredited article)
- Evidence of successful curriculum development and academic management.
- Evidence of active participation in professional, industry and/or community activities.
- Knowledge and experience of implementing quality assurance requirements.
- Specialisation in Hydrometallurgy and/or Mineral Processing.
- Liaison with Metallurgical Industry including consultation work.

##### Added advantage:

- Experience in geology or process mineralogy
- Industry experience is a recommendation
- Supervision of Masters' and PhD students are an added advantage

- Further appropriate qualifications in the field of study, higher education and research training are strongly recommended

## **ASSOCIATE PROFESSOR**

### **Minimum requirements:**

#### Qualification

- PhD/Doctorate degree in Metallurgical Engineering / Chemical Engineering (specializing in Extractive Metallurgy)
- A minimum of four (4) years of relevant teaching experience at senior lecturer level
- Bachelor (BEng/ BTech/ BScEng) and master's Degrees (MEng/ MTech/ MScEng) in Metallurgical Engineering / Chemical Engineering
- Professional registration with Engineering Council of South Africa

#### Experience

- DHET accredited research outputs
  - Five (5) Research Output units
  - Five (5) completed Masters' or Doctorate as supervisor/promoter or co-supervisor/promoter
- Evidence of successful curriculum development and academic management
- Evidence of active participation in professional, industry and/or community activities Knowledge and experience of implementing quality assurance requirements
- Provision of academic leadership in the fields of Hydrometallurgy and Mineral Processing, within the department.
- Experience in the initiation and implementation of post-graduate research programmes in the fields Hydrometallurgy and Mineral Processing,
- Liaison with Metallurgical Industry including consultation work

#### Added advantage:

- Experience in geology or process mineralogy.
- Registration with professional body.
- Industry or practice experience is a recommendation
- Further appropriate qualifications in the field of study, higher education and research training are strongly recommended
- Rating as researcher by a scientific or other funding agency is recommended
- Experience in the application of geological and mineralogical knowledge in metallurgy.

### **Skills and Competencies:**

Excellent communication and presentation skills, excellent teaching skills, planning and organising skills, conceptual skills, analytical ability, interpersonal skills and problem-solving skills.

<b>CLOSING DATE FOR APPLICATIONS: 27 September 2024</b>
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Applications should include:

1. A fully completed prescribed application form which can be obtained from VUT Website
2. A detailed curriculum vitae (explicitly stating experience or knowledge in the above-mentioned fields)
3. Certified copies of all academic certificates/degrees
4. Certified copy of ID
5. Current contact information of referees
6. Please email applications to [recruitment2@vut.ac.za](mailto:recruitment2@vut.ac.za) and quote the post reference and post description in the subject line.
7. No manual applications will be accepted. Incomplete applications or applications without the application form and required documents will be disregarded.
8. Only applications made on our application for employment form would be considered.
9. Communication will be entered into with short-listed candidates only. If you don't hear from VUT within 3 months deem your application as unsuccessful.

Enquiries may be directed to:

HR Practitioner: Ms Portia Mkhari, Tel 016 950 6848

HR Business Partner: Ms M Mordaut, Tel 016 950 9453

**Please Note: Submission of such copies entitles Vaal University of Technology to authenticate the qualifications without any further consent from the applicant. Candidates with foreign qualifications must submit a SAQA certificate of evaluation. Vaal University of Technology is an equal opportunity and affirmative action employer, which is committed to the implementation of its employment equity plan. People from designated groups are encouraged to apply. Only shortlisted candidates will be contacted.**

**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 process.**

