Tshwane University of Technology

We empower people

Part-time advert 2027

The Department of Physics, Faculty of Science, requires the services of part- time lecturers for day classes during 2027 for year and semester modules.

Critical Performance Areas

- Preparing and conducting lectures;
- Advanced presentation skills;
- Proven ability in using teaching technology;
- Setting and marking of all assessments;
- Participating in departmental meeting and subject meeting;
- General administration such as capturing test and assignment marks, uploading documents on myTUTor; and SharePoint and
- Student consultation.

Minimum Requirements

- Master's degree in Physics, Industrial Physics or Fire Technology (applicable to position)
- At least three years` teaching and/or research experience at a tertiary institution (unless stated otherwise at the specific position).
- Proven ability in using online teaching technologies
- Proficiency in MS Office and other computer programs.
- Full proficiency in English is a prerequisite.
- Member of a professional body will be an added advantage.
- Completion of a TUT License to Teach programme will be compulsory, during your contract duration.

Department of Physics
Arcadia/Pretoria Campus
(REF: 26/N47)

Send your application and CV to: RobertsFT@tut.ac.za **and cc to** thantshanm@tut.ac.za Please include your ID, academic record and qualifications AND the position number(s) of the position(s) advertised., as well as the **TUT employment application form** available on the TUT website, SharePoint and Universities Intranet
Enquiries: (During office hrs) Ms F Roberts 012 382-6357

Closing date: 16 November 2026

You will be contacted soon after the closing date if you are short-listed for an interview. The University reserves the right not to make an appointment. .

Instructions:

Select applicable positions and indicate as such on your application form. You may select more than one position (e.g. PT3, PT4). Note that a maximum of 9.5 hours for theory and 12 hours for practicals are allowed for part-time lecturers per semester. The module indicates whether theory(T) or practical(P) is involved, as well as the duration: year(Y) or semester (S1 or S2).
The module names and codes are listed, for you to peruse the content of the modules in the Prospectus 2027 of TUT.
If there is a need to change the existing module combinations, according to your needs, please do so and motivate for this special combination.

POSITION: PT1 (vacuum)
NUMBER OF HOURS: 5.5 h/week for S1
CAMPUS: Arcadia
Modules:

- Industrial Physics III (ISP306R) (T) (S1) (2.5h)
- Industrial Physics III (ISP306R) (P) (S1) (1h)
- Industrial Ventilation II (IDV118G) (T&P) (S1) (2h)

POSITION: PT2 (NDT)
NUMBER OF HOURS: 6.5 h/week for S1 and 3 h/week for S2
CAMPUS: Arcadia
Modules:

- Industrial Physics II (ISPH600) (T) (Y) (2h)
- Industrial Physics II (ISPH600) (P) (Y) (1h)
- Industrial Physics III (ISP306R) (T) (S1) (2.5h)
- Industrial Physics III (ISP306R) (P) (S1) (1h)

POSITION: PT3 (Nuclear I)
NUMBER OF HOURS: 14 h/week for S1 and 8 h/week for S2
CAMPUS: Arcadia
Modules:

- Nuclear Technology I (NCTH500) (T) (Y) (4h)
- Nuclear Technology I (NCTH500) (P) (Y) (2h)
- Nuclear Technology II (NCTH601) (T) (S1) (4h)
- Nuclear Technology II (NCTH601) (P) (S1) (2h)
- Accelerator & Nuclear Reactors II (ANB108G) (P) (Y) (2h)

POSITION: PT4 (Nuclear II)
NUMBER OF HOURS: 4 h/week for S1 and 8 h/week for S2
CAMPUS: Arcadia
Modules:

- Accelerator & Nuclear Reactors I (ANB117V) (T) (S2) (2h)
- Accelerator & Nuclear Reactors I (ANB117V) (P) (S2) (2h)
- Radiation Protection Dosimetry I (RPD107V) (P) (Y) (2h)
- Radiation Protection Dosimetry II (RPD108G) (P) (Y) (2h)

POSITION: PT5 (Radiation) **NUMBER OF HOURS: 6.5 h/week** **CAMPUS: Arcadia** **Modules:** • Radiation Science III (SRI307P) (T) (Y) (4.5h) • Radiation Protection Dosimetry I (RPD107V) (T) (Y) (2h)	**POSITION: PT6 (Physics Health)** **NUMBER OF HOURS: 9 h/week for S1 and 6 h/week for S2 CAMPUS: Arcadia** **Modules:** • Physics for Health Sciences (Lab Sc, Clinical, VetTech, Radiography) (PHS115P) (T) (S1) (2 groups) (2x3h) • Physics I (Environmental Health) (PYS105P) (T) (Y) (3h) • Physics for Health Sciences (PHN115P) (T) (S2) (3h)
POSITION: PT7 (General Physics) **NUMBER OF HOURS: 8 h/week** **CAMPUS: Arcadia** **Modules:** • General Physics (Bio Tech) (GPH105D) (T) (Y) (4h) • General Physics (Env. & Geo) (GPH105D) (T) (Y) (4h)	**POSITION: PT8 (Engineers EPH-1)** **NUMBER OF HOURS: 6 h/week** **CAMPUS: Pretoria** **Modules:** • Engineering Physics (EPH105C) (Mechanical A&B) (T) (Y) (3h) • Engineering Physics (EPH105C) (Mechanical C&D) (T) (Y) (3h)
POSITION: PT9 (Engineers EPH-2) **NUMBER OF HOURS: 7 h/week** **CAMPUS: Pretoria** **Modules:** • Engineering Physics (EPH105C) (Civil W) (T) (Y) (3h) • Engineering Physics (EPH105C) (Civil M) (T) (Y) (3h) • Science I (Equine) T (Y) (1h)	**POSITION: PT10: (Engineers EPH-3)** **NUMBER OF HOURS:7 h/week** **CAMPUS: Pretoria** **Modules:** • Engineering Physics (EPH105C) (Electrical A&B) (T) (Y) (3h) • Engineering Physics (EPH105C) (Electrical C&D) (T) (Y) (3h) • Science I (Landscape& Horticulture) T (Y) (1h)
POSITION: PT11 (Build Science)	**POSITION: PT12 (Engineers SEP)**

NUMBER OF HOURS: 7.5 h/week **Campus: Pretoria** **Modules:** • Building Sciences I (ABC105D) (Group1) (T) (Y) (3h) • Building Sciences I (ABC105D) (Group2) (T) (Y) (3h) • Building Sciences I Tut (Y) (1.5h)	**NUMBER OF HOURS: 6 h/week for S1** **Campus: Pretoria** **Modules:** • Physics (SEP115B) (Civil A) (T) (S1) (3h) • Physics (SEP115B) (Civil B) (T) (S1) (3h)
POSITION: PT13 (Calculus Physics) **NUMBER OF HOURS: 9 h/week** **Campus: Pretoria** **Modules:** • Physics I (PHI105X) (Water Sc) (T) (Y) (4h) • Physics I (PHI105X) (Anal. Chem) (T) (Y) (4h) • Science I (Crop Science 3) (SO105QD) (T) (Y) (1h)	**POSITION: PT14 (Science Occ)** **NUMBER OF HOURS: 6 h/week for S1 and 3 h/week for S2** **Campus: Pretoria / Arcadia** **Modules:** • Physics (Geomatics 2) (PHG115D) T (S1) (3h) • Science I (Animal Science 1) (SO105QD) (T) (Y) (1h) • Science I (Animal Science 2) (SO105QD) (T) (Y) (1h) • Science I (Crop Science 1) (SO105QD) (T) (Y) (1h)
POSITION: PT15 (Chem & Met) **NUMBER OF HOURS: 7 h/week for S1 and 1 h/week for S2** **Campus: Pretoria;** **Modules:** • General Physics (GPS115B) (Metallurgical) (T) (S1) (3h) • General Physics (GPS115B) (Chem. Eng.) (T) (S1) (3h) • Science I (Crop Science 2) (SO105QD) (T) (Y) (1h)	**POSITION: PT16 (Fire I)** **NUMBER OF HOURS: 5.5 h/week for S1 and 7 h/week for S2** **Campus: Arcadia;** **Modules:** • Fire Tech I (FTE115D) T(S1) (1.5h) • Building Constr. I (FCO115D) (T) (S2) (1.5h) • Building Constr. I (FCO115U) (T) (S2) (1.5h) • General Physics. I (GPH105D) (P) (Y) (4h)
POSITION: PT17 (Fire II)	**POSITION: PT18 (Fire III)**

NUMBER OF HOURS: 1.5 h/week for S1 and 4.5 h/week for S2 **Campus: Arcadia;** **Modules:** • Fire Tech III (FTE316U) (T) (S1) (1.5h) • Emergency Man I (EMG115D) (T) (S2) (1.5h) • Fire Tech II (FTE216D) (T) (S2) (3h)	**NUMBER OF HOURS: 3 h/week for S1 & 3 h/week for S2** **Campus: Arcadia;** **Modules:** • Build Construction III (FCO316U) (T) (S1) (1.5h) • Build Con II (FCO216U) (T) (S1) (1.5h) • Emergency Man III(EMG316U) (T) (S2) (1.5h) • Emergency Man II(EMG216U) (T) (S2) (1.5h)
POSITION: PT19 (Geomatics & Prac) **NUMBER OF HOURS: 10 h/week for S1 & 7 h/week for S2** **Campus: Pretoria** **Modules:** • Physics (PHG115D) (Geomatics 1) (T) (S1) (3h) • Engineering Physics (EPH105C) (P) (Y) (7h)	**PT20 (Physics for Engineers)** **NUMBER OF HOURS: 6 h/week for S1 & 3 h/week for S2** **Campus: Pretoria and Soshanguve** • Project Construction 125 (PCO115D) (T) (S1) (3h) • Project Construction 125 (PCOF05D) (T) (Y) (3h)
PT21 (eMalahleni Prac) **NUMBER OF HOURS: 12 h/week for S1 & 12 h/week for S2** **Campus: eMalahleni** **Modules:** • Engineering Physics (EPH105C) (P) (Y) (6h) • Physics (SEP115B) (P) (S1) (6h) • Engineering Physics (EPH105C) (P) (S2) (6h)	**POSITION: PT22 (Build Science & SOR) Giyani** **NUMBER OF HOURS: 8.5 h/week** **Campus: Giyani** **Modules:** • Building Sciences I (ABC105D) (Group1) (T) (Y) (3h) • Building Sciences I (ABC105D) (Group2) (T) (Y) (3h) • Building Sciences I Tut (Y) (1.5h) • Science I (Horticulture) T (Y) (1h)