

# UNIVERSITY OF MAURITIUS

## VACANCY

Applications are invited from suitably qualified candidates for the post of **Post-Graduate Teaching Assistant** (PGTA) for teaching the module **MA 3003(5): Numerical Solution of PDEs** for the contractual period July 2025 to December 2025 (Semester One of Academic Year 2025/2026).

### Qualifications Required:

- A degree in Mathematics/Mathematics with Computer Science and/or full-time MPhil/PhD students registered at the University of Mauritius.
- Successfully completed the module LLC0050 – Short Courses on Teaching Strategies and Administrative Responsibilities of Part-Time Lecturers.

### Profile

Candidates must have:

- At least a second-class Bachelor's degree with Honours.
- Excellent knowledge of Numerical Partial Differential Equations (Finite Difference Discretisations, Consistency and Stability Analysis, Convergence, Linear Advection, Heat and Poisson PDEs).
- Excellent abilities in problem solving related to the above topics.
- Good communication and analytical skills.

### Responsibilities & Duties

Under the direct supervision of the Module Lecturer/ Coordinator, the PGTA will be responsible for:

- Running of face-to-face tutorials.
- Invigilation of class tests and examinations.
- Counselling.
- Assist in preparation/revision of module content and selection of text books and reading materials and preparation of instructional material.
- Organisational and other cognate duties that may be assigned by the Dean of Faculty

### Remuneration

Rs 500/- per contact hour (PGTA)

For a total of 10 contact hours for the purpose of payment (One batch of *face to face tutorial* of 1 contact hour/week each, over a total of 10 weeks)

### Duration of Contract

Appointment will be offered for a contractual period from July 2025 to October 2025 (Semester One of Academic Year 2025/2026). The proposed starting date is 28 July 2025.

## Mode of Application

Letter of application together with a detailed *Curriculum Vitae* and photocopies of qualifications, birth certificate, marriage certificate (if applicable), testimonials and equivalence of qualifications (where applicable) should reach the **Dean, Faculty of Science (Attention: Head of Department of Mathematics), University of Mauritius, Réduit** AND emailed to [hodfos\\_math@uom.ac.mu](mailto:hodfos_math@uom.ac.mu) and copied to [deanfos@uom.ac.mu](mailto:deanfos@uom.ac.mu) by Tuesday 15 July 2025.

The envelope and email subject should be clearly marked “**PGTA- Module MA 3003(5)- Numerical Solution of PDEs**” on the top right hand corner.

Applications received after the closing date will not be considered. The University reserves the right:

- To call for interview only the most appropriately and best qualified applicants.
- Not to make any appointment as a result of this advertisement.

**11 July 2025**

**Dean, Faculty of Science**