

UNIVERSITY OF MAURITIUS

VACANCY

Applications are invited from suitably qualified candidates for the post of **Post-Graduate Teaching Assistant (PGTA)** for teaching the module **Fluid Dynamics I - MA 3102(5)** for the contractual period January 2024 to June 2024 (Semester One of Academic Year 2023/2024).

Qualifications Required:

- A first degree in Mathematics or 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
- Good communication and research skills
- Excellent Analytical skills
- Excellent Background Knowledge on topics such as: Flow kinematics, Stream functions for an incompressible fluid, Vorticity, Irrotational flows, Complex potentials
- Excellent abilities in problem solving related to the above topics
- Good communication skills

Responsibilities & Duties

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

- Running of tutorials classes.
- Demonstration of numerical simulations and convergence properties
- Counseling
- Preparation of instructional materials
- Invigilation of class tests
- 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 January 2024 to June 2024 (Semester One of Academic Year 2023/2024). The proposed starting date will be communicated.

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 and copied to deanfos@uom.ac.mu by Tuesday 30th January 2024 by noon.

The envelope and email subject should be clearly marked “**PGTA- Module Fluid Dynamics I - MA3102(5)**” 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.

23rd January 2024

Dean, Faculty of Science