VACANCY

Applications are invited from suitably qualified candidates for the post of **Post-Graduate Teaching Assistant** (PGTA) for teaching the module **Optimisation - MA3004(5)** for the contractual period July 2024 to October 2024 (Semester 2 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: Constrained and Unconstrained Optimisation, Convexity, Local and Global optima, Weierstrass Theorem, Coercivity, Compactness, Lagrange multiplier (equality constraint), Constraint with inequalities (KKT). Necessary and/or sufficient conditions for existence of optima, optimality conditions.
- Excellent abilities in problem solving related to the above topics

Responsibilities & Duties

Under the direct supervision of the Module Lecturer/ Coordinator, the PGTA will be responsible for:
- Running of tutorials classes.
- 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 July 2024 to October 2024 (Semester 2 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 <u>Friday 21 June 2024 by noon</u>.

The envelope and email subject should be clearly marked **"PGTA - Module Optimisation - MA3004(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.

	Dean
18th June 2024	**Faculty of Science**