

LIRA UNIVERSITY

Mr. Opio Ismail

Title: Assistant Lecturer in Mathematics

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PROFILE

Mr. Opio Ismail is an Assistant Lecturer of Mathematics in the Department of Science and Vocational Education at Lira University, Uganda. He is engaged in teaching and research, with academic interests in number theory, mathematical analysis, and optimization. His work emphasizes the connection between rigorous mathematical theory and practical applications.

RESEARCH INTERESTS

- Number Theory (Diophantine equations, Fibonacci, Pell, and Lucas sequences).
- Mathematical Analysis (Functional analysis, generalized functions).
- Optimization ($p(x)$ -Laplacian, Nehari manifold methods).

EDUCATION

[2011 – 2015] M.Sc. in Mathematics Makerere University, Kampala, Uganda

Thesis: On the Distributional Solutions of Ordinary Differential Equations with Polynomial Coefficients.

[2006 – 2009] B.Sc. with Education (Mathematics Major, Chemistry Minor), Mbarara University of Science and Technology, Uganda

TEACHING EXPERIENCE

Courses taught include: Calculus, Linear Algebra, Differential Equations, Introductory Analysis, Abstract Algebra, Number Theory, and Complex Analysis. He is committed to fostering critical thinking, problem-solving skills, and student engagement in mathematics.

PROFESSIONAL ACTIVITIES

- Participation in academic seminars, workshops, and conferences.
- Active member of the Uganda Mathematical Society.
- Continuous professional development in mathematics and pedagogy.

OUTREACH

Engages in activities that promote mathematical awareness and inspire students to pursue studies in mathematics.