Ademola Olorunnisola

Department of Mathematics and Statistics
University of Nevada, Reno
1664 North Virginia St, Reno, NV 89557
Phone: 775-467-7432
Email: aolorunnisola@unr.edu

Research Interests: Numerical Analysis, Computational Methods, Image Processing,

Key Character: Efficient, Innovative, Patient, Communicative, Focused, Organized

EDUCATION

2024-Now	Ph.D. student in Applied Mathematics
	Department of Mathematics and Statistics, University of Nevada, Reno
2021-2022	M.Sc. in Mathematics
	Kwara State University, Nigeria.
2014-2020	B.Sc. in Mathematics
	Kwara State University, Nigeria.

PUBLICATIONS

- Issa, K., Olorunnisola, S. A., Aliu, T., & Dauda, A. A. (2023). Approximate solution of space fractional order diffusion equations by Gegenbauer collocation and compact finite difference scheme: Solution of space fractional diffusion equation. *Journal of the Nigerian Society of Physical Sciences*, 1368-1368. **Published**
- Issah, A. Y., Issa, K., & Olorunnisola, S. A. (2022). Development of an improved numerical integration scheme, its algorithm and application in the least square approximation. **Published**

TEACHING EXPERIENCE

Teaching Assistant, University of Nevada, Reno   **Spring 2025**

Course: Math 176 Introductory Calculus for Business and Social Sciences

Responsibilities: Overseeing discussions focused on fundamental calculus concepts tailored to business students, emphasizing real-world applications in economics, finance, and social sciences. Designed quizzes that applied calculus to business scenarios.

Teaching Assistant, University of Nevada, Reno   **Fall 2024**

Course: Math 181 Calculus I

Responsibilities: Overseeing instruction and evaluating quizzes

Government Day Secondary School   **2021 - 2022**

Mathematics Teacher

Responsibilities:

- Successfully taught Mathematics to senior secondary students and assessed their performance through tests and exams.

- Designed learner-friendly models and unique teaching techniques to enhance student engagement and understanding.
- Used Positive Reinforcement Methods to address poor behavior and support student development.
- Developed course materials and adhered to educational needs, abilities, and achievements of students.

PEDAGOGICAL TRAINING

Seminar in Teaching Mathematics and Statistics   Fall 2024

University of Nevada, Reno

This course is designed to prepare graduate students for success as teaching assistants in mathematics and statistics. The activities, discussions, and work are designed to be useful and practical during the first semester of teaching and beyond.

VOLUNTEER SERVICES

- The Association of Mathematics Teacher Educators (AMTE) 2025 Annual Conference, Grand Sierra Resort, Reno, NV, February 6
- eCYBERMISSION Virtual Judge, March 12 – 26, 2025

CONFERENCES ATTENDED

- Data Science Conference 2025, University of Nevada, Reno, NV, February 18 – 20, 2025.
- The Association of Mathematics Teacher Educators (AMTE) 2025 Annual Conference, Grand Sierra Resort, Reno, NV, February 6-8, 2025.
- International Conference on Discrete Applied Mathematics and Mathematical Programming (ICDAMMP), Lagos, September 2022.
- International Conference on Mathematical, Computational Science and Engineering (ICMCSE), Lagos, Nigeira, August 9–10, 2023.
- 6th Annual International Workshop and Conference on Mathematical Modelling, Simulations, Mathematical Analysis, and Operator Theory, University of Nigeria, Nsukka, October 10–13, 2021.

CERTIFICATIONS

- eCYBERMISSION Achievement Certificate, *2024-2025 program year*
- National Youth Service Corps (NYSC) Discharge Certificate, *August 2022*

SKILL & INTERESTS

Computer Skills: MATLAB, LaTeX, Python, Word.

Teaching Tools: Goodnotes, AirMedia.
Other Interests: Soccer.