

Ademola Olorunnisola

Department of Mathematics and Statistics
University of Nevada, Reno
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Research Interests: Numerical Analysis,
Computational Methods.

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

EDUCATION

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- 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

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- 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

Instructor of Record, University of Nevada, Reno

Fall 2025

Course: Math 181 Calculus I

Responsibilities:

- Designed and delivered 3 weekly 50-minutes lectures with 129 students.
- Developed course syllabus, lecture materials, and instructional content
- Created assignments, quizzes, and exams to evaluate student understanding.
- Provided office hours and one-on-one support to enhance student success.
- Managed the entire course independently, including grading and final grade submission.

Instructor of Record, University of Nevada, Reno

Summer 2025

Course: Math 182 Calculus II

Responsibilities:

- Designed and delivered 5 weekly 100-minutes lectures.
- Created assignments, quizzes, and exams to evaluate student understanding.
- Provided office hours and one-on-one support to enhance student success.

- Managed the entire course independently, including grading and final grade submission.

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

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- 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

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- 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.

REFERENCES

- **Christopher Herald**
Relationship: Advisor

Mathematics Graduate Director and Foundation Professor
Department of Mathematics and Statistics
University of Nevada, Reno

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Website: <https://www.unr.edu/math/people/christopher-herald>

- **Pavel Solin**
Relationship: Professor

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Website: <https://www.unr.edu/math/people/pavel-solin/> (work)