

Serine Ndiaye
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EDUCATION

Teachers College, Columbia University, New York, NY
Doctor of Education Degree, February 2019

Teachers College, Columbia University, New York, NY
Master of Arts in Mathematics Education, May 2014

University of Missouri, Kansas City, MO
Master of Arts in Economics, December 2011

University of Dakar, Dakar, Senegal
Bachelor of Sciences, September 1998

LANGUAGES

Fluent in French

TEACHING AND MENTORING EXPERIENCE

CUNY-Borough Manhattan Community College, Manhattan NY

Instructor

August 2017 to present

- Teach Intermediate Algebra and Trigonometric, Introduction to Statistics, Introduction to Statistics with Algebra, Elementary and Intermediate Algebra with Trigonometric, Mathematics for Health.
- Provide interesting and relevant assignments for students that demonstrate learning outcomes in a real-life setting.
- Use technology to enhance and expedite understanding and to communicate with students and colleagues.
- Perform teaching and related faculty functions in mathematics to a student population diverse in background and learning styles.

Adjunct Faculty Lecturer

February 2017 to August 2017

- Taught Quantitative Literacy, Mathematics for Health.

Substitute Mathematics Instructor

January 2014 to February 2017

- Taught Introduction to Statistics, Elementary Algebra, Developmental Mathematics, Quantitative Literacy, Pre-calculus, Analytic Geometry & Calculus, Mathematics for Health, Fundamentals of Mathematics, Intermediate Algebra & Trigonometry.
- Participated in faculty development opportunities, such as workshops, attending various campus wide meetings that coordinate the remediation efforts.

CUNY-Hostos Community College, Bronx NY

Adjunct Faculty Lecturer and Tutor

May 2013 to December 2014

- Taught Introduction to statistics, in accordance with schedule of classes and incorporating alternative approaches, technologies and methods.
- Delivered successfully classroom lectures on math concepts during workshop to prepare students for math placement exams.
- Held algebra-tutoring hours in the mathematics tutoring lab to enhance students' comprehension skills.

LIM Fashion Business College, Manhattan, NY

Adjunct Faculty Lecturer

August 2014 to December 2014

- Taught Mathematics through Business Application, Introduction to Algebra

Lyceé Francais de New York-High School in New York

Math Instructor

September 2014 to February 2015

- Instructed in French the 6th and 8th grades level in algebra and geometry.
- Actively participated in activities, which included assessing student progress, assigning grades, taking attendance.

Heritage High School, Manhattan NY

Student Teacher Grade 7-12

April 2014 to June 2014

- Instructed the 9-12th grade levels in trigonometry, algebra 1&2, and pre-calculus
- Initiated, developed and conducted special remedial math program and after- school tutorial sessions for problems math students.
- Worked with a culturally and socio-economically diverse, various ability-level groups of 9-12th grade students.

Middle school MS 324, New York NY

Student Teacher Grade 8

January 2014 to Mars 2014

- Instructed the 8th grades levels in algebra and geometry
- Developed and implemented engaging, effective lessons in math areas for a heterogeneous group of eighth grade special and regular education students.

Undergraduate Mentor, BMCC Noyce Explorers, Scholars and Teachers Project

- Mentored two undergraduate students in mathematical Quantitative Literacy during fall 2015 and spring 2016 semester.
- AMATYC Project ACCESS Cohort 2018-2019

PUBLICATION

Ndiaye, S. (2019). The Effects of a Mathematical Literacy Course on Attitudes towards Mathematics: A Community College Study. Teachers College, Columbia University, New York (Doctoral Dissertation).

Co-Author: Series on Mathematics Education-Vol.13. Mathematics and Its Teaching in the Muslim World. 2016 by World Scientific Publishing Co. Pte. Ltd. Singapore 596224.

DEPARTMENT SERVICE

- Member of the Remedial Mathematics Committee, Faculty Professional Development Committee, Borough of Manhattan Community College, 2015-present.
- Chair of the Mathematics 100 Committee, Borough of Manhattan Community College, 2019.

RESEARCH INTERESTS

Developmental Mathematics, Quantitative Literacy, Problem Solving.

PROFESSIONAL MEMBERSHIPS

Founder and Director of Senegalese Mathematical Organization of America (SMOA).

Mathematics Association of America (MAA).

American Mathematical Association of Two- Year College (AMATYC)

TECHNOLGY SKILLS

Microsoft PowerPoint, Microsoft Excel, Microsoft Word, Webassign, Mymathlab, Maple, Webwork, Blackboard, Starfish and Graphing calculator.