

Md Ibrahim Kholil

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EDUCATION

Ph.D. in Applied Mathematics, Wichita State University, 2023

Master of Science in Mathematics, Emporia State University, 2017

Master of Science in Mathematics, Jagannath University, 2011

Bachelor of Science in Mathematics, Jagannath University, 2009

TEACHING EXPERIENCE

Graduate Teaching Assistant

August 2018 – Present

Wichita State University, Department of Mathematics and Statistics *Wichita, Kansas*

- Teach six or five credit hours each semester
- Taught Intermediate Algebra, College Algebra, Business Calculus, Pre-calculus, Calculus I, and Calculus II
- These courses, although traditionally in-person, were taught online via Zoom during the COVID-19 pandemic
- Duties included preparation of teaching materials, creating my own syllabus, choosing (or creating) all of the homework problems, writing and grading tests and quizzes, preparing and grading the final exam for the course, hosting online office hours, hosting course exams online and in-person, and teaching course material through various web platforms.

Graduate Teaching Assistant

January 2018 – May 2018

University of Missouri, Department of Mathematics

Columbia, Missouri

- Teaching assistant for two undergraduate sections of College Algebra
- Grade exams for the Pre-Calculus course
- Proctoring exams if needed
- Tutor students who need extra assistance in Mathematics courses.

Graduate Teaching Assistant

January 2016 – December 2017

Emporia State University, Department of Mathematics and Economics *Emporia, Kansas*

- Teach two undergraduate-level sections of College Algebra
- Evaluate and grade examinations, assignments, online homework, or papers, and record grades
- Develop teaching materials, such as syllabi, visual aids, answer keys, supplementary courses, practice sheet, and extra reviews for exams.

Academic Coach

August 2015 – December 2015

Emporia State University, Department of Mathematics and Economics *Emporia, Kansas*

- Teach students to study and note-taking skills, and test-taking strategies
- Review class material with students and teachers; work out solutions, review worksheets, and lab work
- Assess students' progress throughout, after, and during class sessions.

**College Private Tutor
Self-Employed**

*January 2011 – June 2014
Dhaka, Bangladesh*

- Tutor for college-level Math, Physics, Chemistry, and Biology
- Prepare lesson plans and learning modules for tutoring sessions according to student's needs and goals
- Provide notes for crucial chapters and develop quiz materials

**Secondary School Tutoring
General Math Teacher
Sunrise Coaching Center**

*January 2008 – December 2010
Dhaka, Bangladesh*

- Instruct students in small groups on how to solve assignments such as tutorials, homework, and practice sheets
- Provide students with supplemental coursework

**High School General Math Private Tutor
Self-Employed**

*J February 2006 – August 2012
Dhaka, Bangladesh*

- Provide private tutoring services to individuals to improve academic performance, and occupational skills, or prepare for academic or occupational tests

OTHER WORK EXPERIENCE

**Founder and Managing Director
Imperial Coaching Center**

*January 2009 – January 2013
Dhaka, Bangladesh*

- Advise students on issues such as course selection, progress toward graduation, and career decisions
- Direct, coordinate and evaluate activities of personnel
- Participate in student recruitment, selection, and admission and formulate strategic plans for the institution
- Communicate student progress to students, parents, and teachers via in-person, phone, or mail

**Data Analyst
Emporia State University, Information Technology Services**

*May 2017 – August 2017
Emporia, Kansas*

- Manipulated, cleaned, and processed data using Excel and SQL
- Test programs or databases, correct errors, and make necessary modification

LEADERSHIP

**Muslim Student Association (MSA), Emporia State University
President**

*Emporia, Kansas
August 2016 – December 2017*

AWARDS AND HONORS

L Darlene Fearey Math Fellowship (WSU)	<i>Fall 2022-Spring 2023</i>
Math Dept Telephone Campaign Scholarship (WSU)	<i>Fall 2021-Spring 2023</i>
Miller Mathematics Scholarship (WSU)	<i>Fall 2020-Spring 2023</i>
John & Kay Morse Endowed Graduate Fellowship (WSU)	<i>Fall 2021-Spring 2022</i>
Arthur J Hoare Endowed Scholarship (WSU)	<i>Fall 2020-Spring 2022</i>
Merit-Based Stipend Increase (WSU) Semester-wise graduate teaching assistant salary increments are given by the graduate school to graduate students who demonstrate outstanding progress in their program.	<i>Fall 2020-Spring 2022</i>
Outstanding GTA Award (WSU) Annual award was given by the Mathematics and Statistics Department to graduate students who demonstrate excellence in teaching.	<i>Fall 2029-Spring 2020</i>
L Darlene Fearey Math Fellowship (WSU)	<i>Fall 2019-Spring 2020</i>
Math Dept Telephone Campaign Scholarship (WSU)	<i>Fall 2019-Spring 2020</i>
John W. Carlson Graduate Award (Emporia State University)	<i>Fall 2016-Fall 2017</i>
Diversity Scholarship (Emporia State University)	<i>Fall 2014-Fall 2017</i>
GIVE (Getting Involved with Volunteering in Emporia)	<i>Fall 2014</i>
EducationUSA Volunteer Awards	<i>2013- 2014</i>
Opportunity Fund (USA Embassy of Dhaka, Bangladesh)	<i>2013</i>

PUBLICATIONS

1. M. Kholil and Z. Sun, *A uniqueness theorem for inverse problems in quasilinear anisotropic media*, Inverse Problems and Imaging, 16(6): (2022), 1571-1577. Doi: 10.3934/ipi.2022008.
2. M. Kholil and Z. Sun, (2023) *A uniqueness theorem for inverse problems in quasilinear anisotropic media II*, to appear.