

BRANDI MORGANTE HANDZLIK, M.S., ED.D.

EDUCATION

- LIBERTY UNIVERSITY, LYNCHBURG, VA** APRIL 2024
- ♦ *Doctor of Education in Curriculum and Instruction*
 - ♦ *Dissertation Title: "Solving the Problem of Low Pass Rates in Clinical Math at Pennsylvania College of Health Sciences"*
- UNIVERSITY OF DELAWARE, NEWARK, DE** MAY 2016
- ♦ *Master of Science in Statistics*
- LIBERTY UNIVERSITY, LYNCHBURG, VA** MAY 2014
- ♦ *Bachelor of Science in Mathematics*
- CECIL COLLEGE, NORTH EAST, MD** MAY 2013
- ♦ *Associate of Science in Mathematics*

WORK EXPERIENCE

- SAINT JOSEPH'S UNIVERSITY, LANCASTER, PA** JUL 2017 - PRESENT
Assistant Professor of Mathematics
- ♦ Teaches and builds course material for introductory statistics, clinical math, statistics for evidence-based practice, and college studies seminar
 - ♦ Teaches in the online, face-to-face, and hybrid environment
 - ♦ Utilizes Zoom and Microsoft Teams for office hours, meetings, and synchronous online teaching
 - ♦ Develops interactive learning materials and modules using Articulate, Google Classroom, Blackboard, Nearpod, Canvas, and other tools.
 - ♦ Creates educational videos using various video software
 - ♦ Lead statistics faculty which includes aiding adjuncts, performing data analytics for assessment of outcomes, and updating course materials.
 - ♦ Tutors statistics and clinical math
 - ♦ Member of Data and Reporting Committee and Academic Policy Committee
 - ♦ Campus statistical resource for research courses and Doctoral projects for DNP students
 - ♦ Conducts and publishes research in math and nursing education while collaborating with colleagues
- CENTRAL VIRGINIA COMMUNITY COLLEGE, LYNCHBURG, VA** AUG 2016 - MAY 2017
Math Lab Coordinator and Math Adjunct
- ♦ Taught Topics in Precalculus, Elementary Statistics, and Statistics
 - ♦ Tutored developmental mathematics students in math lab
 - ♦ Monitored students and aided professors in developmental math classes
- LIBERTY UNIVERSITY, LYNCHBURG, VA** AUG 2016 - MAY 2017
Math Emporium Staff Tutor
- ♦ Tutored students in Fundamentals of Mathematics, Intermediate Algebra, Mathematics for Liberal Arts, College Algebra and Introduction to Probability and Statistics
 - ♦ Administered and monitored testing
 - ♦ Graded for College Algebra
- JP MORGAN CHASE, WILMINGTON, DE** JUN 2015 – MAY 2016
Marketing Data Analyst Intern
- ♦ Used SAS/SQL, Excel and PowerPoint to collect, analyze and present data
 - ♦ Completed campaign analyses and weekly and monthly reports
- UNIVERSITY OF DELAWARE, NEWARK, DE** AUG. 2014 – MAY 2015
Statistics Department Teaching Assistant
- ♦ Graded for Statistics, taught discussion sessions and tutored students
- LIBERTY UNIVERSITY, LYNCHBURG, VA** JAN. 2013 - MAY 2014
Math Department Student Assistant

- ♦ Graded homework, quizzes, and labs for Finite Mathematics and Calculus Lab

CECIL COLLEGE, NORTH EAST, MD
Math Lab Specialist

AUG. 2010 - MAY 2012

- ♦ Tutored students in math help center in Statistics and Basic Mathematics through Calculus III
- ♦ Monitored students and aided professors in college math classes
- ♦ Monitored test center, set up computers, and disseminated testing information

COURSES TAUGHT

- ♦ Clinical Math JAN 2018 - PRESENT
- ♦ Applied Statistics AUG 2017 – PRESENT
- ♦ Statistics for Evidence Based Practice AUG 2018 – DEC 2023
- ♦ College Studies Seminar AUG 2023 – DEC 2023
- ♦ Elementary Statistics AUG 2016 - MAY 2017
- ♦ Topics in Precalculus AUG 2016 - MAY 2017

PUBLICATIONS AND PROJECTS

Ozimek, D., Good, L., Leggieri, A., Morgante, B., Phillips, M., Watson, G., & Wilk, D. (2024). Exploring preclicensure nursing students' perceptions and attitudes toward mathematics in a concept-based curriculum. *Teaching and Learning in Nursing, 19*(4). <https://doi.org/10.1016/j.teln.2024.05.004>

Zulkosky, K., Minchhoff, D., Dommel, L., Price, A., & Handzlik, B. M. (2021). Effect of repeating simulation scenarios on student knowledge, performance, satisfaction and self-confidence. *Clinical Simulation in Nursing, 55*, 27-36. <https://doi.org/10.1016/j.ecns.2021.03.004>

Troyer, A., Handzlik, B. M., Phillips, M. (2020). Why does Blood Flow Change? Investigating the Math of Blood Flow Dynamics. QB@CC Spring 2020 Incubator 1, *QUBES Educational Resources*. [doi:10.25334/KBHH-CC94](https://doi.org/10.25334/KBHH-CC94)

Open Access Modernized Statistics Textbook Author (2021)

- ♦ Worked with the Dana Center and other authors to write lessons for statistics textbook. Lessons consisted of a preview assignment, activity-based lesson using real world data, homework assignment, and corequisite activity.

ACADEMIC COMPUTER SKILLS AND PROFICIENCY

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|--------------------|----------|--------------------|--------------|
| • Microsoft Office | • SAS | • SPSS | • Articulate |
| • Canva | • R | • WebAssign | • Nearpod |
| • ChatGPT | • SQL | • MyMathLab | • Blackboard |
| • Canvas | • Mobius | • Google Workspace | • Zoom |

AWARDS AND DISTINCTIONS

Pennsylvania College of Health Sciences President's Scholarship and Research Award	2021
<i>Kappa Delta Pi</i> Member	2021
<i>Alpha Kappa Eta</i> Member	2021
Stoudt Excellence in Teaching Award Nominee	2019, 2022, 2023