

CURRICULUM VITA
Nesrin Cengiz-Phillips
Department of Mathematics and Statistics
University of Michigan-Dearborn
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1. Education

- Ph.D. – Department of Mathematics** (Mathematics Education) **2007**
Western Michigan University, Kalamazoo, MI
“What Allows Teachers to Extend Student Thinking
During Whole Group Discussions?” Advisors: Terry Grant and Kate Kline
- M.A. – Department of Mathematics** (Mathematics Education) **2003**
Western Michigan University, Kalamazoo, MI
- B.S. – Department of Mathematics** (Mathematics) **1998**
Middle East Technical University, Ankara, Turkey

2. Teaching and Research Interests

Teaching: Curriculum development and teaching of content and methods courses for elementary and secondary preservice teachers, and developmental mathematics, college algebra and pre-calculus courses

Research: Exploring ways in which teachers help students learn mathematics with understanding through reasoning. Better understanding the role of using mistakes and uncertainty in creating an inclusive mathematics learning environment where every participant’s thinking is welcomed and valued, and students collectively develop mathematical knowledge.

3. Employment History

- Associate Professor** 2013- present
Department of Mathematics and Statistics
University of Michigan-Dearborn
- Assistant Professor** 2007- 2013
Department of Mathematics and Statistics
University of Michigan-Dearborn
- Doctoral Fellow** 2004 - 2007
Center for the Study of Mathematics Curriculum
Western Michigan University
- Teaching Assistant** 2001 - 2005
Department of Mathematics
Western Michigan University

4. Teaching Activities

Teaching a variety of courses including Math 385, 386, 387, Mathematics for K-8 Teachers I, II, and III; Math 442, Geometry for Teachers; Math 090, Intermediate Algebra; Math 104, College Algebra; Math 105, Pre-Calculus; EDD 452, Methods for K-8 Teachers; ED MA 512, Communication and Assessment in Mathematics Learning; ED MA 521: Leadership in Mathematics Education

Curriculum Development Math090, Math 383; Math 442, EDD 452

Program Revision Currently revising the teacher education program in response to the changes in the teacher certification requirements from the Michigan Department of Education

Graduate/Undergraduate Student Supervision Advising undergraduate future elementary teachers majoring or minoring in mathematics

Internal UM–Dearborn Grants HUB Course Redesign Faculty Fellowship for Fall 2019

5. Research Activities

a) Recent Papers Published in Refereed Journals

Rathouz, M., Cengiz-Phillips, N., & Krebs, A. S. (2023). Promoting Equitable PST Participation in Mathematical Discourse: Rough Drafts on an Asynchronous Discussion Board. *Mathematics Teacher Educator*, 11(2), 117–131.

Cengiz, N., & Rathouz, M. (2018). Making Sense of Equivalence of Ratios. *Mathematics Teaching in the Middle School*, 24(3), 148-155.

Rathouz, M., Cengiz, N., Rubenstein, R., and Krebs, A. (2014). Tasks to develop language for ratio relationships. *Mathematics Teaching in the Middle School* 20(1): 38-44.

b) Recent Conference Presentations

Rathouz, M., Krebs, A. S., & Cengiz-Phillips, N. (2023, Winter). Increasing Preservice Teacher Participation in Mathematical Discourse Through an Asynchronous Discussion Board. 27th Annual Conference of Association of Mathematics Teacher Educators. New Orleans, LA, February, 2023.

Grant, T., & Cengiz Phillips, N. (2023, Winter). TeMaC SIG Meeting: How can TeMaC support those designing and implementing new elementary mathematics education programs? Conversations Among Colleagues. Grand Rapids, MI: Mi-AMTE, February, 2023.

Rathouz, M. M., Krebs, A. S., & Cengiz Phillips, N. (2022, February). Developing PST Proportional Reasoning through Online Discussions. 26th Annual Conference of Association of Mathematics Teacher Educators. Remote/Las Vegas, NV, February, 2022.

6. Selected Recent Service Activities

a) University Service

UCDC Assessment Sub-committee; Member since Winter 2023

Academic Success Strategic Planning - Core Working Group; Member, Winter 2022 – Winter 2023

b) College Service

CASL Academic Standards Committee; Member Fall 2019 - Summer 2022

c) Departmental Service

Mathematics & Statistics Department Executive Committee; Member since Fall 2022

LEO Review Committee; Chair since Fall 2021

Coordinator Math 090 since Fall 2017 and Co-chair of Math 100 since Fall 2023

Member of the tenured-faculty group since Winter 2014

Member of Mathematics Education Committee since 2007, Chair: A. Krebs

d) External Service

Revised test items during two-day MTTC Item Review Conference as a member of the Mathematics Content Advisory Committee Member in Summer 2022

Organized sessions at Michigan Association of Mathematics Teachers Educators (MI-AMTE) meetings and conferences, Co-chair of SIG TeMaC (Teaching Mathematics Content) since 2021

e) Refereeing Papers for the Following Journals/Conferences

Reviewed a manuscript for *Journal of Humanistic Mathematics* in Winter 2023

7. Recent Conference/Workshops Attended

MI-AMTE Annual Meeting, University of Michigan-Dearborn, MI, March 16, 2024

Content Methods Laboratory Classes, University of Michigan, Ann Arbor, MI, week-long laboratory classes, June 5-9, 2023

Inclusive Teaching Program, in-person and online, University of Michigan-Dearborn, Attended three sessions on inclusive teaching practices that were designed as part of the Teaching for Equity Program from HUB in Fall 2022 and Winter 2023