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Fall 2021

## **News From the Graduate School - Educational Mathematics Fall 2021**

Otterbein Office of Graduate Programs

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### Graduate School News Highlights



From Bridget M. Newell, Ph.D. Interim Associate Provost for Graduate Studies

#### Transitions

The start of the fall semester is typically associated with change and transition. This year is no different. This fall, 59 new graduate students transitioned into the first semester of their first year of graduate school. Some of our graduate students transitioned into their last year or last semester of graduate work. Others, like the nursing graduate students who joined us in the summer, transitioned to the next stage in their graduate education. All these transitions bring with them the excitement of a fresh start, the challenges of a next step, and positive associations that accompany forward momentum. In addition to prompting us to look forward, times of transition provide the opportunity to look backward, assess where we are, acknowledge how far we've come, and anticipate what is to come. [Continue reading >>](#)

# The Graduate School Lecture Series

*Distinguished Speaker*

**Hilary Stone** MBA '20

**If It's Broke, Fix It: Applying  
Management Concepts to Career,  
Community, and Life**

**Wed., October 13, 2021**

**5:30 p.m. - 7:00 p.m. Roush Hall 114**

**[Register Now>](#)**



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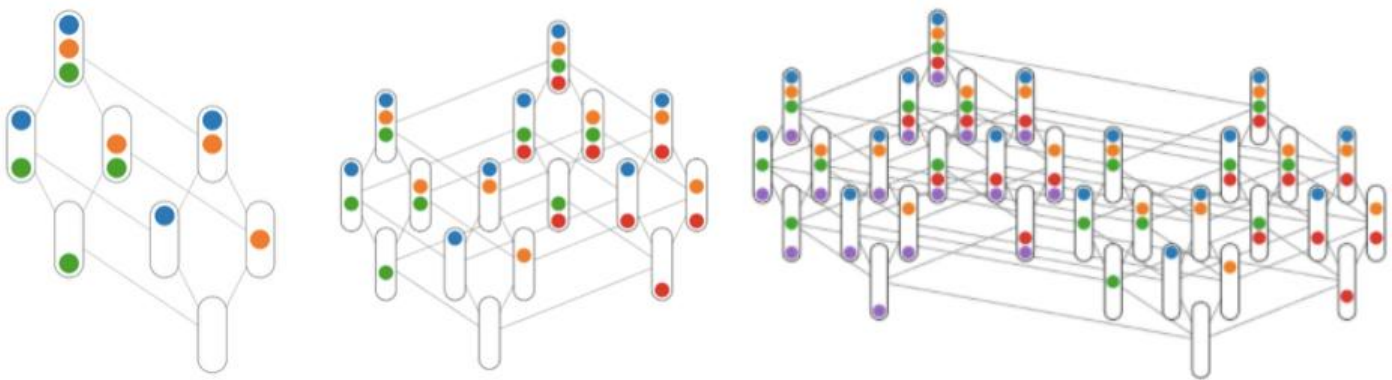
**GRADUATE SCHOOL**

## **Educational Mathematics** Words Get in the Way

All mathematics rely on representation, whether in symbols, pictures, or models. Unfortunately, as is the case for many areas of study, our language can be a hindrance to communicating mathematics with clarity. In fact, academic language is so problematic that teaching licensure programs must directly address the ways in which preservice candidates are prepared to navigate the gaps between colloquial and disciplinary meanings.

Thus, it will come as no surprise that mathematicians and mathematics educators have been working diligently to find new ways of exchanging math content without encumbering words.

Dr. Brent Yorgey (Hendrix College) has curated an impressive collection of wordless representations for some complex constructs in mathematics, as part of his website, [The Math Less Traveled](#). Here's a sample:



If you have a sense of what picture should come next as part of this sample, email [jsmith@otterbein.edu](mailto:jsmith@otterbein.edu) with a picture – NO WORDS!

[Read on the Web >>](#)

**Jeff Smith**  
MAEM Graduate Director

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