

**Dr. Laura**

**Kyser Callis**

Associate Professor  
Mathematics



## Courses Taught

**MATH 1000** Problem Solving Strategies in Mathematics

**MATH 1150** Statistics I

**MATH 1550** Quantification in School Mathematics

**MATH 2200** History of Mathematical Inquiry

**MATH 2550** Number Theory and Relationships for Teachers

**MATH 2900** Independent Research in Mathematics  
Education

**MATH 3175** Modern Algebra

**MATH 3250** Pedagogy & Specialized Instruction in  
Mathematics

**MATH 3200** Mathematical Modeling **MED 6475** Diverse  
Perspectives in Mathematics



# ***Dr. Callis's Research:***

Co- Principal Investigator, National Science Foundation Improving Undergraduate STEM Education (NSF-IUSE) project:  
**DISCUS-IS Discourse to Improve Student Conceptual Understanding of Statistics in Inclusive Settings**

- What are students' statistical conceptions in an introductory college statistics course?
- What instructional practices benefit diverse learners in introductory statistics?

## *Other Research:*

- What policies and practices increase student participation and success in college mathematics courses?
- How do curriculum and experiences engaging with children's thinking impact pre-service teachers' perceptions of children's thinking?
- How do outside-of-school activities impact children and parents' engagement with STEM?

