



THE UNIVERSITY of  
**MISSISSIPPI**  
Department of Mathematics

# AMS Graduate Student Seminar

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## *Algebraic Properties and Geometric Applications of Fibonacci Numbers*

Tuesday, November 13, 2018,  
2:30 p.m. Hume 321

**Abstract:** The Fibonacci number sequence is famous for its connection to the Golden Ratio and its appearance within natural objects. There also exist Fibonacci-like sequences that share the same recursive definition without possessing its same connection to the Golden Ratio. We will explain a method for constructing such Fibonacci-like sequences, and subsequently give an example of the relationship between the Golden Ratio and the Fibonacci sequence using a sunflower.