

Seminars on Pure and Applied Math



Announcing

A Mathematics Seminar
on April 24, 2015
at 2:00 pm in North Hall 104
at The University of New Haven

Dr. James Quinlan

Department of Mathematics
The University of New England

Title: Periodic properties of the Fibonacci sequence mod m

Synopsis:

In this presentation, we investigate some properties of the Fibonacci sequence modulo m . In particular, we observe that this sequence is periodic of even order when $m > 2$, may have restricted cycles, and has striking graphical patterns when plotting the ordered pairs (f_{n-1}, f_n) . Additional properties of these sequences will be examined.

The topic is intended to be accessible to students with a background in Calculus and students are encouraged to attend. There will also be an opportunity to follow up on topics from the Sage workshop from the previous session.

Further Information

For further information, please contact Angie Domschine at the Department of Mathematics, Office: Maxcy 204, 203-932-7250, ADomschine@newhaven.edu.