

# MATH MODELING CLUB

FRIDAYS

2-3 pm



PGH 648

JOIN ANYTIME BEFORE OCT 17

RUNDDOWN

SEPT 12 & 19

## FOUNDATIONS OF MODELING

Learn how to apply differential equations to quantitatively describe real-world phenomena.

SEPT 26 & OCT 3

## DYNAMICS & QUALITATIVE BEHAVIOR

Explore bifurcation theory and learn or improve on skills with computational tools such as MATLAB and Python.

OCT 10

## SIR MODEL

We will experiment with a popular model and connect theory with real, pressing issues.

OCT 17\*

## TURNING BIFURCATIONS

At this meeting, we will dive into pattern formation through Turing bifurcations.

OCT 18 - 10 NOV

## SCUDEM COMPETITION

Apply your skills in a real-life scenario. Participants will receive awards based on practicality and quality of solution. See SCUDEM webpage for more info about benefits and participation.

\*If time permits

For questions, email [gabriela@math.uh.edu](mailto:gabriela@math.uh.edu)