BGSU Department of **Mathematics and Statistics**

BOWLING GREEN STATE UNIVERSITY

Weekly Calendar – Spring Semester 2025
Week 13, April 7– 11

Monday, April 7	
Tuesday, April 8	**Graduate Student Seminar** 11:00am – 11:45am, McLeod 459 Speaker: Mitra Alizadeh Topic: Rigidity of Quasi-isometries of the Heisenberg Groups
Wednesday, April 9	**Graduate Committee** 11:30am – 12:30pm, McLeod 400 **Analysis Reading Seminar** 2:30pm – 3:20pm, McLeod Hall 459 Speaker: Martin Kimondo Title: Hypercyclic Differentiation Operators, Part 1 **Advisory Committee** 3:30pm – 4:30pm, McLeod Hall 400
Thursday, April 10	
Friday, April 11	**Peer Mentor Seminar** 3:30pm – 5:00pm, McLeod Hall 240 **Colloquium** 3:45pm – 5:00pm, McLeod Hall 459 Speaker: Rebecca Sanders, Marquette University Title: Extending families of disjoint hypercyclic operators and more

ABSTRACT

Colloquium

Title: Extending families of disjoint hypercyclic operators and more

Abstract:

A family of operators $T_1, \ldots, T_N$ on a Banach space X are disjoint hypercyclic if there exists a vector x for which the orbit of the vector $(x, \ldots, x)$ under the direct sum operator $T_1 \oplus \cdots \oplus T_N$ is dense in $X \oplus \cdots \oplus X$. In this talk, we address two questions posed by H. Salas. First, given disjoint hypercyclic operators $T_1, \ldots, T_N$, Salas asked whether there exists an operator T_{N+1} for which the extended family $T_1, \ldots, T_N, T_{N+1}$ of operators remain disjoint hypercyclic. We provide a positive answer to Salas' question, and we explore some consequences of extending families of disjoint hypercyclic operators. Second, we answer Salas' question about the relationship between the Disjoint Blow-up/Collapse property and its stronger version by examining disjoint hypercyclic manifolds of densely disjoint hypercyclic operators.