

Tuesday, November 14, 2023, 3:30 pm

**COLLOQUIUM TALK**

**Speaker: Amanda R Welch (EIU)**

**Old Main 2231**

**PED and POD Partitions and their  
Generalizations**

**Abstract:**

Partitions with even (respectively odd) parts distinct and all other parts unrestricted are often referred to as PED (respectively POD) partitions. In this talk, we generalize these notions and study sets of partitions in which parts with fixed residue(s) modulo  $r$  are distinct while all other parts are unrestricted.