Penelope Beall

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Education

2021–present **University of Florida**
Pursuing Mathematics BS

2022–2023 **National University of Singapore**
Exchange program

Events Attended

June 2024 **Queen's Mathematics Summer School 2024**
Queen's University

June 2024 **41st Workshop in Geometric Topology**
Calvin University

May 2024 **59th Cornell Topology Festival**
Cornell University

February 2024 **Conference on Enumerative and Algebraic Combinatorics**
University of Florida

Talks

February 2024 "An Equivalent Form of Choice in Linear Algebra"

November 2023 "Constructing $\mathbb{Z}$"

Coursework

Spring 2024

MAS6332 **Algebra 2**
Dummit and Foote, *Abstract Algebra*
Lang, *Algebra*
Hungerford, *Algebra*

MAA4103 **Introduction to Real Analysis 2**
Kosmala, *A Friendly Introduction to Analysis*

MTG4303 **Introduction to Topology 2**
Munrkes, *Topology*

MAD4204 **Introduction to Combinatorics 2**
Bóna, *A Walk Through Combinatorics*

Fall 2023

MAS4301 **Abstract Algebra 1**
Gallian, *Contemporary Abstract Algebra*

MAS6331 **Algebra 1**
Dummit and Foote, *Abstract Algebra*
Lang, *Algebra*
Hungerford, *Algebra*

MAA4102 **Introduction to Real Analysis 1**
Kosmala, *A Friendly Introduction to Analysis*

Spring 2022

MA3201 **Algebra II**
Dummit and Foote, *Abstract Algebra*

MA3211 **Complex Analysis I**
Churchill and Brown, *Complex Variables and Applications*

MA3233 **Combinatorics and Graphs II**
Koh, Dong, Ng, and Tay, *Graph Theory*

MA4207 **Mathematical Logic**
Enderton, *A Mathematical Introduction to Logic*

Fall 2022

MA2101S **Linear Algebra II (S)**

MA2214 **Combinatorics and Graphs I**

Chen and Koh, *Principles and Techniques in Combinatorics*
Koh, Dong, Ng, and Tay, *Graph Theory*

MA3205 **Set Theory**

Moschovakis, *Notes on set theory*
Hrbacek and Jech, *Introduction to set theory*
Enderton, *Elements of set theory*

Spring 2022

MAS4203 **Introduction to Number Theory**

Niven, Zuckerman, and Montgomery, *An Introduction to the Theory of Numbers*

MAP2302 **Elementary Differential Equations**

Nagle, Saff, and Snider, *Fundamentals of Differential Equations and Boundary Value Problems*

MHF3202 **Sets and Logic**

Hammack, *The book of proof*

Fall 2021

MAC3474 **Honors Calculus 3**

Shabanov, *Concepts in Calculus III*