

# Undergraduate Mathematics Seminar

Department of Mathematics, Fall 2020



## An Introduction to Nets and Filters

### Dr. Pamela Delgado

Assistant Professor, Christian Brothers Univ.

**Date:** Tuesday, October 27

**Time:** 2:00 - 2:50 pm EDT

**Location:** Zoom, ID: 935 1032 7072

### LAST FALL 2020 SEMINAR TALK:

School of Education Panel

November 10, 7:00 - 7:50 pm ET

The concept of a net generalizes the concept of a sequence. We can talk about convergent nets in a similar way we talk about convergent sequences. Moreover, the concept of a filter allows us to study convergence of nets. These generalizations provide us with more powerful tools to better understand ideas studied in the Calculus courses.

Pam is an Assistant Professor in the Department of Mathematics and Computer Science at Christian Brothers University, in Memphis, TN. She recently received her PhD in Mathematics from Pitt, where she worked in Functional Analysis under the direction of Dr. Chris Lennard. Pam is originally from Costa Rica, where she completed her undergraduate studies in Mathematics at Universidad de Costa Rica. Before coming to Pitt she also received a Masters in Mathematics from East Tennessee State University.



Organized by: Derek Orr, Tom Everest, Jeremiah Morgan, and Jeff Wheeler