



**Department of Mathematics, Statistics and Computer Science  
St. Francis Xavier University  
Presents**

## **A Selected Survey of Extension Theorems**

**by**

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**Kamloops, B.C.**

**Friday, September 17<sup>th</sup>, 2010 @ 2:15 in Ax23A**

We shall briefly examine extension theorems in various contexts, as well as a few of their applications. As classical examples we include Tietze's Theorem and Lavrentieff's Theorem. Recent and less well known results concerning extensions of locally uniformly convex norms and extensions of real-valued, smooth functions on Banach spaces will also be examined. Additionally, some negative results will be discussed.

**Refreshments will be served before the talk in AX24A**