

Mathematics Graduate Seminar

**First Speaker: Hau Nguyen
Memorial University**

**Thursday, March 30, 2017
1:00p.m., HH-3017**

***Characterizations of rings by their cyclic
C3-modules and cyclic D3-modules.***

Abstract:

In this talk, we will present some studies on class of rings whose cyclic modules are C3-modules (CC3-rings). A module is called a C3-module if the sum of any two direct summands with zero intersection is again a direct summand. Many basic properties of right CC3-rings are obtained, and some structure theorems of semiperfect rings and self-injective regular rings are proved. As a dual notion of C3-modules, a module M is called a D3-module if the intersection of any two direct summands of M whose sum is M is a direct summand of M . The class of rings whose cyclic are D3-modules, are also investigated. We completely characterize the rings whose cyclic modules are quasi-discrete and, respectively, discrete.

**Second Speaker: Bilal Uddin
Memorial University**

**Thursday, March 30, 2017
1:30p.m., HH-3017**

Adaptive Mesh Generation Based on Equidistributing Principle

Abstract:

In this talk, I will briefly describe adaptive meshgeneration procedure using equadistributing principle along with some numerical examples and definitions related to this. Finally, I will give an introduction to the RIDC methods, which are a family of parallel-in-time methods for solving initial value problems.