

# HONOURS SEMINAR

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## Spectral Sequences of Filtered Chain Complexes

*Supervised by Dr. Martin Frankland*

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**1:00 PM**

**AH 318**

### **Abstract:**

Computing the spectral sequence of a filtered chain complex, although challenging, is a useful tool in topology and homological algebra. In this talk, we will begin by introducing chain complexes and discussing the information they encode. Subsequently, we will provide a gentle introduction to spectral sequences, exploring their use through examples.