

## ***CBC 724 - Graduate Physical Chemistry***

### **Aims and Objectives**

To provide a thorough overview of modern Physical Chemistry.

### **Syllabus**

A broad sweep of the molecular approach to physical chemistry required for research. The core theories of physical chemistry in greater breadth and depth: Quantum theory and spectroscopy, Statistical and equilibrium thermodynamics, and Chemical kinetics and dynamics. Special advanced topics in modern physical chemistry will also be presented.

### **Assessment**

Written Exam: 40%

Continuous assessment: 60%

### **Prerequisites**

CBC 314 Physical and Biophysical Chemistry 2 or Division approval