**BIOC 558 -** Advanced Topics in Protein Chemistry I

Course Description:

BIOC 558 provides a theoretical and practical overview of the complementary approaches of NMR spectroscopy for characterizing the structures, dynamics, and functions of proteins. This course will provide an overview of NMR spectroscopy including topics related to NMR structure determination, isotope-labeling and 3D-NMR of proteins, protein dynamics approaches and 2D-NMR of proteins. The course will use primary literature to introduce the latest approaches to study NMR spectroscopy. The student will learn how to apply their knowledge in critically analyzing and interpreting NMR data. Students will be graded based on their presentations, weekly assignment and two main assignments. This course will be offered every other year starting fall term of 2018.

This course replaces the first half of BIOC 514 course.  
  
Instructors: Dr. Lawrence McIntosh  
Format: 90-minute lectures (12), 1.5 credits  
Time: Tues/Thurs (3:30-5:00 pm) from September 4 to October 18, 2018  
Location: TBA (UBC Point Grey Campus).  
Number of seats: 18