# CHEM 555. MAGNETIC RESONANCE SPECTROSCOPY.

Credits: 3

Offered by: Chemistry (Faculty of Science)

This course is not offered this catalogue year.

## Description

The fundamental principles underlying Nuclear magnetic resonance (NMR), Electron Paramagnetic resonance (EPR) and Magnetic Resonance Imaging (MRI) will be covered and applied to biomolecules and materials chemistry. Topics include multidimensional spectra, molecular dynamics, the density matrix, and the product operator formalism.

- Prerequisite: CHEM 355 or equivalent
- Winter
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