Chemistry 4024/5024 presents NMR spectroscopy as a comprehensive method for the structure elucidation of organic and organo-metallic compounds. The course combines the basic theory and principles of NMR spectroscopy with practical NMR experiments and provides interpretation of the data as a method of gaining insight into molecular structure.
The concepts of relaxation, chemical shift and coupling are related to one, two and three dimensional NMR experiments as a means of studying both molecular structure and properties. Methodical approaches for investigating unknown compounds will also be discussed.

The course evaluation is shown below:

Student Evaluation

	4024	**5024**
• Assignments (2)	20%	20%
• Tests (2)	20%	20%
• Project/Assignment	not required	10%
• Midterm Examination	20%	20%
• Final Examination	30%	20%
• Participation	10%	10%

Assignment 1 will be given out approximately Sept 21 and will be due Oct 3.
Quiz 1 will be on Oct 17.
The midterm exam will be on Oct 26.
Assignment 2 will be given out approximately Nov 9 and will be due Nov 23.
Quiz 2 will be on Nov 28.

Participation will be determined by *meaningful contributions* to the eClass forum questions given with each lecture. Students are required to respond to at least 80% of the forum questions in order to receive the full participation marks.

Please understand Academic Honesty by reading ***Academic Honest, Policy*** on the following link:
https://secretariat-policies.info.yorku.ca/policies/academic-honesty-senate-policy-on/

Please follow good netiquette and be supportive of others in the class. All questions are important and deserve respect and understanding.