

## Chemistry 4323 – Inorganic Chemistry 3: Advanced Characterisation Techniques

### Course Outline – Winter 2016

Professor: Dr. Bobby Ellis (office: 323 Elliott Hall; e-mail: bobby.ellis@acadiau.ca)  
Please include CHEM 4323 in the subject of all e-mail for this course

Lectures: None: Independent Study

Office Hours: Tues. 2:00-5:00 pm and Wed. 9:30-11:00 am or by appointment

Textbook: None: We will use a variety of sources, which will be indicated with each topic

Grading:

Assignments	10 %
Science Education Project	10 %
Computational Project	20 %
Crystallography Project	20 %
NMR Spectroscopy Projects	
Literature Project	10 %
Hands-On Project A	10 %
Hands-On Project B	10 %
Final Exam ( <i>take-home</i> )	10 %

The goals of this course are to solidify and build upon the concepts presented in previous inorganic chemistry classes and structure determination. The topics covered in this course are:

1. Computational Chemistry
2. X-Ray Crystallography
3. Resonance Spectroscopy

#### Students with Exceptionalities that Affect Learning

If you are a student with a documented disability who anticipates needing supports or accommodations, please contact Dr. Abu Kamara, Coordinator, Accessible Learning Services at 902-585-1291, [abu.kamara@acadiau.ca](mailto:abu.kamara@acadiau.ca) or Kathy O'Rourke, Disability Resource Facilitator at 902-585-1823, [disability.access@acadiau.ca](mailto:disability.access@acadiau.ca). Accessible Learning Services is located in the Fountain Commons, Lower Level.

## Policies on Missed Course Work due to Absences

### Assignments

If an assignment is not submitted by the beginning of class on the due date and you **do not have a valid excuse** (as determined by the Registrar's Office), you lose 20% of the total value per day until it is submitted.

If an assignment is not submitted by the beginning of class on the due date and you **have a valid excuse** (as determined by the Registrar's Office), the point value for that assignment is transferred to the value of the final exam.

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### Research Projects

If a research project is not submitted by the due date and time and you **do not have a valid excuse** (as determined by the Registrar's Office), you lose 20% of the total value per day until it is submitted.

If a research project is not submitted by the due date and time and you **have a valid excuse** (as determined by the Registrar's Office), it is due the first day after the excused period by 6 pm.