

Chemistry 3303 – Inorganic Chemistry 2: Main Group Chemistry

Course Outline – Fall 2015

Professor: Dr. Bobby Ellis (office: 323 Elliott Hall; e-mail: bobby.ellis@acadiau.ca)
Please include CHEM 3303 in the subject of all e-mail for this course

Lectures: Mon., Wed. and Fri. 11:30 am - 12:20 pm in 320 Elliott Hall

Tutorials: Optional tutorials will be held prior to midterm and final exams

Labs: Wednesdays beginning at 1:30 pm in 204 Elliott Hall (lab usually opens at 1 pm)

Office Hours: Tues. 2:00-5:00 pm, Wed. 8:30-10:00 am

Textbook: **No required textbook**, but access to *an inorganic textbook* is recommended
Inorganic Chemistry, 5th Edition by Miessler, Fischer and Tarr
Inorganic Chemistry, 4th Edition by Housecroft and Sharpe
Inorganic Chemistry, 6th Edition by Shriver, et. al

Website: Supplementary problems and other course resources:
<http://www.acadiau.ca/~bellis/resources/>

Other: Students are **strongly recommended** to have a molecular model kit

Evaluation:

Assignments/Quizzes	10 %	
Research Project	15 %	
Laboratory Work	20 %	
Midterm Exam #1	10 %	Wednesday, September 30, 2015
Midterm Exam #2	10 %	Friday, October 30, 2015
Midterm Exam #3	10 %	Monday, November 16, 2015
Final Exam	25 %	

Programmable calculators are not allowed for midterms or final exams.

There are no make-up midterms. If you miss a midterm examination for a reason deemed excusable by the Registrar's Office, the points are transferred to the value of the final exam.

The goals of this course are to solidify and build upon the concepts presented in CHEM 2303. The topics covered in this course are:

1. Symmetry and Group Theory
2. Molecular Orbital Theory
3. Advanced Molecular Orbital Theory
4. Computational Chemistry
5. Main Group Chemistry

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 or Kathy O'Rourke, Disability Resource Facilitator at 902-585-1823, 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.

Laboratory Work

You must complete more than 50% of the hands-on portion of an experiment in order to submit a report.

- For two week experiments you must be present for at least the first week.
- For three week experiments you must be present for at least two of the three weeks.

If you were not present for enough of the experiment to submit a report and you **do not have a valid excuse** (as determined by the Registrar's Office), you will receive a grade of zero for that report.

If you were not present for enough of the experiment to submit a report and you **have a valid excuse** (as determined by the Registrar's Office), the point value for that report is transferred to the value of the final exam.

If you completed the hands-on portion of an experiment and the laboratory report is not submitted by the beginning of lab 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 you completed the hands-on portion of an experiment and the laboratory report is not submitted by the beginning of lab on the due date 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.

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.