CHEMISTRY 7100 – Principles of Inorganic Chemistry

FALL 2019

TEXT: "Chemistry 7100 Notes," Ernst (required - available on canvas) "Inorganic Chemistry," Housecroft and Sharpe (recommended; available for perusal from the library reserve)

CLASS: M W F:  8:20 - 9:25 AM, ROOM 2010 HEB

INSTRUCTOR: Dr. Richard D. Ernst, OFFICE: HEB 2166, Consultation hours - generally open, but also by appointment

FINAL EXAM: Friday, October 4, 7:30 – 9:25 AM, ROOM 2010 HEB

PROBABLE ORDER OF TOPICS:
Crystal Field Theory (19-22), Metal Carbonyls (24-25), Organometallics (24-25).


MISSED EXAMS:
No make-up exams will be given except for serious and unavoidable circumstances, as judged by the instructor, and all exams will be counted. In the event of an unavoidable problem a written excuse with documentation (doctor's letter, obituary announcement, etc.) is necessary to avoid an exam grade of 0. If at all possible, notification must be made prior to the time of the exam, and as early as possible in the event of an arguable excuse (traveling, etc.). The midterm exam dates will be announced in class about one week or so in advance. Students are expected to be aware of these and any other announcements made in class. Any incident of academic dishonesty could result in a grade of E.

EXAMINATIONS:
Calculators and other electronic devices will not be needed for any of our exams. Any requests for regrading must be made within one week of the time exams are returned in class. All exam problems must show the work involved in every step of the solution for credit to be given. Exams not picked up within the two week period following final exam week are subject to disposal.

GRADING:
In addition to two 75 point midterms, there will be a 100 point final exam. This is subject to change, depending on class input during the first week.
GOALS AND OBJECTIVES:

The topics to be covered have been chosen so that successful students should then be prepared to take our higher level inorganic chemistry courses, which typically emphasize transition metal chemistry. Depending on the students’ prior background levels in these areas, it is possible that there could be some change in topics. This issue will be discussed in the first week of classes.

INCOMPLETES:

These may only be given for work not completed due to circumstances beyond a student's control, providing the student is currently passing the class and needs to complete no more than 20% of the course requirements. Unexcused absences do not qualify for consideration.

CAVEATS:

Due to unforeseen circumstances (including but not limited to weather), and/or class preference, some of the information given herein may be modified. Should that become the case, the change will be announced (and ideally discussed) in class, with additional notification made by email and/or canvas. Students must be able to send, receive, and check emails via their official UID accounts. The official UID account should be checked daily for any notifications.

EQUAL OPPORTUNITY:

The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability Services.

VETERANS CENTER:

For our student veterans, the U has a Support Center in the Olpin Union, room 161. To check out their resources and current events, go to http://veteranscenter.utah.edu.

STUDENT WELLNESS:

For students having any psychological or personal concerns, the U’s Center for Student Wellness can be accessed at www.wellness.utah.edu, or 581-7776. Any students having difficulties that interfere with their performance should also advise me of their situations so that we may try to address any issues sooner rather than later.
SAFETY AND HARASSMENT:

All students have the right to be in an environment that respects their safety and well-being. Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a civil rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran’s status or genetic information. Cases of harassment or assault may be reported to the title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Bldg., 581-8365, or the Dean of Students Office in room 270 of the Student Union, 581-7066. To file a report with the police, or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). The Student Wellness Center (see above) may be consulted for support and guidance. Important emergency alerts and safety messages regarding campus safety are sent via text message. For more information regarding safety and to view available training resources, including videos, see safeu.utah.edu. The University Student Code can be found at http://regulations.utah.edu/academics/6-400.php, while http://regulations.utah.edu/academics/6-316.php covers faculty rights and responsibilities.

ADA:

The University of Utah seeks to provide equal access to its programs, services, and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, (801) 581-5020. CDS will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in an alternative format with prior notification to the Center for Disability Services.

UNDOCUMENTED STUDENT SUPPORT:

Immigration is a complex phenomenon with broad impact—those who are directly affected by it, as well as those who are indirectly affected by their relationships with family members, friends, and loved ones. If your immigration status presents obstacles to engaging in specific activities or fulfilling specific course criteria, confidential arrangements may be requested from the Dream Center. Arrangements with the Dream Center will not jeopardize your student status, your financial aid, or any other part of your residence. The Dream Center offers a wide range of resources to support undocumented students (with and without DACA) as well as students from mixed-status families. To learn more, please contact the Dream Center at 801-213-3697 or visit dream.utah.edu.