

Syllabus for Inorganic Chemistry I (CHE-258) Lecture

Gustavus Adolphus College, Spring 2012

This Syllabus covers Lecture only. A Lab Syllabus for CHE-258 shall be distributed separately.

Class times and locations: MTWF 9:00 – 9:50 AM Wallenberg Auditorium, Nobel Hall
Professor: Dr. Thomas Gardner
Office: 303A Nobel Hall
Telephone: 507-933-6327
E-Mail: tgardner@gustavus.edu
Office Hours: By appointment (minimum 24 hour notice requested), and never on Tuesdays or Thursdays. Availability is subject to changes that shall be announced in class.

Materials:

Texts: Geoff Rayner-Canham and Tina Overton, *Descriptive Inorganic Chemistry*, 5th edition
The *Study Guide and Solutions Manual* is recommended but not required.

Web sites: Textbook website: www.whfreeman.com/descriptive5e/
Moodle: access on a regular basis to retrieve supplemental course materials
PollEverywhere.com

Supplies: A model kit suitable for inorganic chemistry.
A scientific calculator capable of logarithmic functions.
A mobile device capable of accessing the WWW or texting
(e.g., cellphone, smartphone, Kindle or Nook, tablet or laptop)

Grading:

Three one-period exams	60 %
Comprehensive final examination	15 %
Laboratory	25 %
Daily classroom participation through PollEverywhere	up to 10 % extra credit

- The final exam for this course is scheduled for Saturday, May 19th from 1:00 – 3:00 PM in the Wallenberg Auditorium of Nobel Hall. If your grade on the final examination is higher than your test average, the final grade shall be calculated on a basis of 45% and 30%, respectively.
- Exam dates shall be announced one week in advance. The first regular exam will be in early March, The second in mid-April, and the third in early/mid-May. If you must miss an exam because of an extreme circumstance, you must seek prior approval of the professor.
- Your final grade shall be based upon your cumulative point total, and shall be assigned a grade based upon a standard scale: 100-93% = A, 92-90% = A-, 89-87% = B+, 86-83% = B, 82-80% = B-, 79-77% = C+, 76-73% = C, 72-70% = C-, 69-67% = D+, 66-63% = D, 62-0% = F
- I reserve the right to revise the grading scale as seems appropriate for the class.

Classroom Expectations:

- Attendance:** You are expected to attend lecture on a regular basis. Lecture your opportunity to interact with a professional chemist and optimize your understanding of the subject. Source material for the examinations may be derived from the textbook, the lecture, supplemental materials, or any combination thereof.
- Preparation:** You are expected to read the chapter currently under discussion *before* attending lectures on it. This is necessary since the purpose of lecture is to reinforce your understanding of material to which you have already been exposed. Reliance on lecture alone or to excess will hinder your ability to succeed in the course.
- Participation:** You are expected to participate fully in the classroom experience. Distractions such as personal conversations or engaging in non-class activities are not advisable. The use of mobile devices is prohibited other than for the PollEverywhere participation program. Phones are required to be completely off during quizzes and examinations. Recording of the lecture in either audio or video format is prohibited.
- Homework:** You are expected to perform and self-grade all odd-numbered exercises for each assigned chapter. Even-numbered exercises have solutions in the solution guide. Self-graded homework does not count towards the grade.
- Resources:** Lecture slides shall be made available on Moodle *after* each lecture. Slides are numbered to help you coordinate your notes. You are encouraged to seek out time with me in office hours, with tutors, with the Office of Student Advising, or through the use of third-party materials.

Disabilities:

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 work together to ensure 'reasonable accommodation' and non-discrimination for students with disabilities in higher education. Any student who has a physical, psychiatric/emotional, medical, learning, or attention-related disability that may have an effect on the student's ability to complete assigned course work should contact the Disability Services Coordinator in the Advising Center, who will review the concerns and decide with the student what accommodations are necessary.

ESL/ELL:

The Writing Center has on staff a part-time tutor with professional training in ESL/ELL instruction. Students can schedule work with this tutor by contacting the Writing Center. Students may bring their instructors documentation concerning their ELL status. Where it is appropriate, faculty may choose to allow such students more time to complete either in- or out-of-class writing assignments. For further information, contact the Academic Advising Office.

Student Responsibility:

I never teach my pupils; I only attempt to provide the conditions in which they can learn.

– Albert Einstein

At Gustavus, we want students to be active in their own education. One of the differences between your college experience and your previous educational experiences is the responsibility born by each party. Your teachers here are less likely to simply disseminate facts that you must regurgitate on an exam later; rather, they are guides who will provide opportunities for you to expand your understanding of the world in which we live. Gustavus faculty members provide the opportunities for you to learn, but you must take advantage of those opportunities. It is in this spirit that homework due-dates are set such that lecture is not the first time you will have encountered material. This allows you to know where you are having trouble and ask more relevant questions in lecture. I will do my best to help you understand the material, but you are ultimately responsible for that understanding.

Academic honesty:

As a community of scholars, the faculty and students of Gustavus Adolphus College have formulated an academic honesty policy and honor code system, which is printed in the Academic Bulletin and in the Gustavus Guide.

– Academic Information and Policies, General Catalog
https://gustavus.edu/general_catalog/current/?pr=acainfo

The Honor Code at Gustavus is an expression of the importance with which we view academic integrity. Each faculty member is required to implement the Honor Code, and to define what is (or is not) authorized aid. It is the students' responsibility to ask clarifying questions when there is confusion regarding academic honesty. In this class, it is assumed that students are honest about their work. It is also understood that sometimes the boundaries can seem "fuzzy." If you find yourself in a situation where you are unclear about attributions or the use of sources, please ask. In the professional realm, issues of plagiarism and/or fabrication have ruined careers.

The first instance of cheating on an assignment or exam will result in a score of zero for that assignment or exam, and the Dean's Office will be informed of the incident. The second instance will result in a failing grade for the course.

To impress of the importance of these two items (student responsibility and academic honesty), I require that you sign the following pledge and return this signed page to me by the end of the first day of class. A copy of this page for your records is available upon request.

On my honor, I pledge that I will not give, receive, or tolerate others' use of unauthorized aid in completing my work.

Signature

date

printed name

student ID #