

CHEM 2600: Introduction to Physical Chemistry, Credit Hours 3.0

Meeting Time: Tues and Thurs, 11:40 AM to 12:55 PM

Classroom: Innovation Hall E430

Instructor: James Zahardis, PhD

Email: James.Zahardis@uvm.edu

Office: Innovation E329

Office Hours: Tues and Thurs 3:00 to 5:00 PM, Fri 12:00-2:00 PM

Textbook (recommended)

CHEM 1450 or 1455 or 1460

MATH 1244 or 1248 or 1242

Grading: The following grading scheme is approximate and may be modified by the instructor during the semester:

50% Homework: these will be 5 or 6 assignments that will have a total worth of approximately 250 total points. These will generally be problems that I design that strongly correlate to lecture. There will also be ungraded recommended problems in the textbook to build your problem-solving skills.

30% Exams: 2 Midterms (in class): there will be two in-class exams that are approximately 75 points each (about 150 total). I realize that many physical chemistry problems take a long time to solve, especially when learning the material, so the in-class exams will have problems that require more straightforward mathematics to solve compared to some of the problems in the graded homework assignments. These exams will also have qualitative and conceptual questions to ensure you understand major themes that have been discussed.

20% Final Exam: a comprehensive take home exam worth approximately 100 points, which I will give approximately 3 days to complete toward the end of the semester.

Schedule:

In-class Exam 1: Thurs, Feb 22nd

In-class Exam 2: Thurs, April 11th

Final "take-home" project: To be announced.

The graded homework assignments due dates will be announced during the semester

Grading Criteria/Policies

Grade components: I will grade exams and homework assignments based on your application of principles and methods of physical chemistry to solving problems, so showing all work is essential. Specific restrictions on assignments or exams will be provided at the time this material is distributed.

Late policy: Graded assignments that are turned in late are subject to a loss of points, which will be detailed when the assignment is distributed.

Grading scheme: I will apply the standard grading scale but reserve the right to rescale the grades at the end of the course.

General Attendance, Participation Policies, and Expectations: Attendance and participation in this course are expected and necessary for developing a good understanding of the material. In this class, we will work together to develop a learning community that is inclusive and respectful. As a learning community we will seek to encourage and appreciate expressions of different ideas, opinions, and beliefs in the spirit of Our Common Ground. Meaningful and constructive dialogue is encouraged in this class. This requires mutual respect, willingness to listen, and open-mindedness to opposing points of view. Respect for individual differences and alternative viewpoints will be maintained at all times in this class. Conduct that substantially or repeatedly disrupts the ability of faculty and instructors to teach and the ability of students to engage may result in my asking a student to temporarily leave the classroom. See Undergraduate Catalogue - Classroom Code of Conduct (p. 443-444).

Excused Absence Policies: If you intend on missing class to observe a religious holiday or to participate in inter-collegiate athletics, please submit the dates of your absence to me in writing by the end of the second week of classes. If you miss due to medical reason or because of an 222 0084Tj/TT1 1 Tf4n the se.7 (b)1.(a)en

Mosaic Center for Students of Color

would like to remain anonymous, you can report your concerns online by visiting the Dean of Students website at <https://www.uvm.edu/studentaffairs>

General statement regarding potential changes during the semester: The University of Vermont reserves the right to make changes in the course offerings, mode of delivery, degree requirements, charges, regulations, and procedures contained herein as educational, financial, and health, safety, and welfare considerations require, or as necessary to be compliant with governmental, accreditation, or public health directives. <http://catalogue.uvm.edu/>

Intellectual Property Statement/Prohibition on Sharing Academic Materials

Students are prohibited from publicly sharing or selling academic materials that they did not author (for example: class syllabus, outlines or class presentations authored by the professor, practice questions, text from the textbook or other copyrighted class materials, etc.); and students are prohibited from sharing assessments (for example homework or a take-home examination). Violations will be handled under UVM's Intellectual Property policy and Code of Academic Integrity.

Final Exam Policy: The University [final exam policy](#) outlines expectations during final exams and explains timing and process of examination period.

Grade Appeals: If you would like to contest a grade, please follow the procedures [outlined in this policy](#).

Grading

[This link](#) offers information on grading and GPA calculation.

Religious Holidays: Students have the right to practice the religion of their choice. If you need to miss class to observe a religious holiday, please submit the dates of your absence to me in writing by the end of the second full week of classes. You will be permitted to make up work within a mutually agreed-upon time. The complete policy is [here](#).