Chm 3010 Schedule, Spring 2021, Weekly Schedule

Week	Content	Quiz
1 *1/25 - 1/29*	Course Introduction Syllabus, Schedule, NIST, Chemical Equation	NO QUIZ
2 *2/1 - 2/5*	Excel Graphing, Sorting, Functions and Formulas	**Syllabus Quiz** ***2/5***
3 *2/8 - 2/12*	Gases	NO QUIZ
4 *2/15 - 2/19*	Vapor Pressure	NO QUIZ
5 *2/22 - 2/26*	Colligative Properties	**Quiz 2** ***2/26***
6 *3/1 - 3/5*	Heat Capacity	NO QUIZ
7 *3/8 - 3/12*	Enthalpy	**Quiz 3** ***3/12***
8 *3/15 - 3/19*	Entropy	NO QUIZ
9 *3/22 - 3/26*	Writing Assignment	**Quiz 4** ***4/2***
10 *3/29 - 4/2*	SPRING BREAK	NO QUIZ
11 *4/5 - 4/9*	Gibbs Energy	**Quiz 5** ***4/9***
12 *4/12 - 4/16*	Equilibrium	NO QUIZ
13 *4/19 - 4/23*	Kinetics	**Quiz 6** **4/23**
14 *4/26 - 4/30*	Drug Modeling	NO QUIZ
15 *5/3 - 5/7*	Video Project	**Quiz 7** ***5/7***
16 *5/10 - 5/14*	Final Project	NO QUIZ
F *5/17 - 5/21*	**Final Project Due** ***5/17***	

CHM 3010, MODELING THE FUNDAMENTALS OF PHYSICAL CHEMISTRY

Meetings: **Fully Asynchronous, No Face-to-face, 1/25/21 – 5/17/21, Spring 2021**

Instructor: **Dr. Valerie Nichols, vnichols@cpp.edu**

Office Hours: **Monday and Tuesday 7:30 – 9:30 am PST, via email and Zoom**

Zoom is a virtual meeting platform (https://cpp.zoom.us/my/drvnichols) and will require a confirmed appointment. Students may request Zoom appointments anytime during the week M - F, including outside of official posted office hours and every effort will be made to accommodate requests depending on Dr. Nichols' availability. Emails are generally acknowledged/returned within 24 hours M – F. *Email communication will be limited and Zoom appointments are not available on the weekends.*

Prerequisite: GE Courses: A1, A2, A3, B1, B2 (chemistry), B3, and B4
This course is designated as a B5 GE course.

Required:

1. Microsoft Office (must use Excel, Google Sheets or any other variation not acceptable)
2. There is no required textbook. Links to chem.libretexts.org will be made available.

Coursework: The coursework for this course is "work heavy." In other words, the majority of your time spent each week will be on doing the course work which will consist of excel sheets, data analysis and handwritten math problems. The physical chemistry topics covered will be topics that you should have seen before in your general chemistry course so they won't necessarily be *new* topics, but we will be learning to how read and understand their equations and how to model them using data. Each week, a lecture video containing a review of that week's physical chemistry topic, an overview of how to create your modeling within excel, and several math problems worked out will be posted. When it comes to your excel sheets, there is no "correct" formatting, please feel free to organize, color code and format your excel sheets however you see fit, so long as all the pertinent information and graphs are clearly visible and your excel is easy to read.

Quizzes: In lieu of large exams, "super quizzes", or larger quizzes, will be given/due every other Friday and will cover the previous two weeks of content (you will not be quizzed on the current weeks content so you can get homework feedback well in advance of being tested on the material). Quizzes will be assigned through Blackboard with a strict time limit. Quiz formatting will be covered in detail in the course. Quiz dates are available in the course schedule. **No make-up quizzes will be given, regardless of reason.**

Special Assignments: There will be a writing assignment, a video assignment and a final project in this course. The final project will take the place of a traditional hand written final exam. Prompts and rubrics for all will be posted and explained in advance on Blackboard and due dates/time frames for these assignments are on the course schedule.

Due Dates: Due dates for all weekly content assignment will be *Friday nights at 11:55 PM. It is entirely your responsibility to make sure that you are accessing the lecture and material in a timely manner.* If you choose to wait until the last few hours on Friday and there is a Blackboard interruption or any kind of technical problem, ***no considerations will be made***.

Grading:

Coursework	60%	Grades will be assigned based on the weighted percentage of points earned. A weighted total column is available in Bb.	A/A-	100% - 90%
Quizzes	15%		B+/B/B-	89% - 80%
Video/Writing	10%		C+/C/C-	79% - 65%
Final Project	15%		D+/D	65% - 51%
			F	50% and below

Academic honesty and integrity are expected of all students at all times. University procedures with respect to probation, suspension, or expulsion will be followed in cases of cheating. See the University Catalog for details. Violations will **automatically be reported to the University without prior notice**! Examples of cheating include copying exam, quiz, or homework answers from another student's work (even online) or online websites such as Chegg.

Student Obligations:

Connectivity

It is your responsibility to check your email regularly for emails and course updates. Each week's module (weekly activity folder on Blackboard) will be released on Mondays although I will typically make it my goal to release the module a few days early. *You must login in Blackboard at the beginning of each week* to review the week's activities and assignments.

Minimum Technical Skills

You are expected to have basic computer knowledge including, but not limited to:

- Using email and attachments
- Downloading, editing, saving, and submitting files
- Downloading and installing software

Getting Help

If you are having trouble understanding concepts, it is your responsibility to seek help by contacting me, just as you might raise your hand in class or wait to speak to me after class. No comment or question is too small, however, when writing an *email always include the class name and section, along with a description, in the subject line. For example: CHM 1150.01 RE: Stoichiometry Question.*

If you are having difficulties with using Blackboard-specific tools or features, refer to Blackboard eHelp (https://cpp.service-now.com/ehelp?id=kb_article&sys_id=321fc54e6fe8e600e020f35d5d3ee4bd). More complicated Blackboard inquires can be directed to the IT Service Desk (https://www.cpp.edu/it/help/) Both links to the Blackboard eHelp page and IT Service Desk can be found under the "Technical Support" section located on the left navigation menu of this course.