CHEM 025: OUTLINE OF GENERAL CHEMISTRY

Lecture (61566 & 61867); T,W,Th 9:00AM-11:30AM, Old Mill Annex A200

GENERAL INFORMATION:

Instructor: Steve Flemer **email:** sflemer@uvm.edu

Office: 110 Hills **Office Hours**: T, W, Th from 12:00-1:00PM

Class Website: Please see the Course link on your UVM Blackboard page.

Lecture: The lecture will be used to introduce new material. Included in this syllabus is a tentative schedule covering the lecture material and what material corresponds to each exam cycle.

Published Materials: There is no textbook for the course. Each unit of study has a corresponding folder in the Course Materials section of the course's BlackBoard site, within which are educational notes for that unit. These notes, while helpful for following along with the material, should not be thought of a comprehensive. Your own written class notes should be the basic core of your study materials.

Scientific Calculator: A standard scientific calculator is a requirement for the exams. (Note: Graphing calculators are not allowed)

Practice Problems: Each unit's BlackBoard folder also contains a series of practice problems (with attached answers) for you to go through in order to hone your skills for carrying out the same type of problems on class exams. It is recommended that you do these problems for your own benefit, but they are not collected or graded for homework.

Weekly Blackboard Quizzes: Each weekend (beginning on Friday and ending on Monday), you will be responsible for taking an online BlackBoard quiz covering the class material from the current week. Just click on the "Weekly Quiz" link on the left-hand side of the CHEM 025 BlackBoard page and follow the instructions. These quizzes are open-book/open-notes, but must be completed *independently*. Weekly quizzes will be available to take until Midnight of the Monday prior to a new week of classes. A skipped or a missed quiz is given a zero.

Exams: Three 2.5-hr exams will be given throughout the course during class time, from 9:00-11:30AM (see course schedule on back page of syllabus). There will be no regular lecture on exam days. The third exam will be given on the last day of the course (Thurs, June 27).

ACADEMIC INTEGRITY:

Offenses against the Code of Academic Integrity (ie: Cheating) are deemed serious and insult the integrity of the entire academic community. Any suspected violations of the code will be forwarded to the Center for Student Ethics & Standards for further investigation.

COURSE GRADING RUBRIC:

1. Points needed to obtain a specific grade:

920 = A	870 = B+	790 = B-	680 = C	620 = D+	570 = D-
900 = A-	820 = B	760 = C+	650 = C-	590 = D	less than 570 = F

2. How to calculate your points:

a) **Class = 1000pts** 3 Exams/1 quiz average = 4 grades
4 grades x 2.5 = class pts above

The 2.5 factor is because each score was only worth 100 pts, and therefore the maximum number of points obtainable from the tests are 400. In order to raise this to 1000 pts you must multiply the 400 x 2.5 to equal 1000.

Example:

	Exam 1	Exam 2	Exam 3	Quiz Average
Scores	80	65	82	78

Total pts = 305 x 2.5 = 762.5 pts total

Class Grade: 785 total pts = C+

TENTATIVE LECTURE SCHEDULE

UNIT 1	(Measurement & Problem Solving)
UNIT 2	(Matter & Energy)
UNIT 3	(Atoms & Elements)
UNIT 4	(Electrons in Atoms)
UNIT 5	(Chemical Bonding)
	Exam 1
UNIT 6	(Molecules & Compounds)
UNIT 7	(Chemical Composition)
UNIT 8	(Chemical Reactions)
UNIT 9	(Quantities in Chemical Reactions)
UNIT 10	(Solutions)
UNIT 11	(Gases)
	Exam 2
UNIT 12	(Liquids, Solids, & Intermolecular Forces)
UNIT 13	(Acids & Bases)
UNIT 14	(Chemical Equilibrium)
	Exam 3

May 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21 Lecture 1	22 Lecture 2	23 Lecture 3	24	25
26	27 Memorial Day Holiday	28 Lecture 4	29 Lecture 5	30 Lecture 6	31	

June 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4 Exam 1	5 Lecture 7	6 Lecture 8	7	8
9	10	11 Lecture 9	12 Lecture 10	13 Lecture 11	14	15
16	17	18 Exam 2	19 Lecture 12	20 Lecture 13	21	22
23 30	24	25 Lecture 14	26	27 Exam 3	28	29