

CHEM 101: FALL 2012 SECTION 001: TR 9:00-10:40 AM 49 Smeal

TEXT BOOK: FOUNDATIONS OF COLLEGE CHEMISTRY

HEIN and ARENA, 13th EDITION

REQUIREMENTS: SCIENTIFIC CALCULATOR; BASIC ALGEBRA BACKGROUND

INSTRUCTOR: MR. VINCENT CALABRESE

OFFICE: ROOM 225 SWIFT BUILDING

PHONE: 814-375-4733 OFFICE HOURS: T 3:30 – 4:20 PM

E-MAIL: vtc101@psu.edu

COURSE WEBSITE: www.chem11psdubois.homestead.com

Lecture notes and the syllabus are found here. Please note that changes to the syllabus may be made during the semester. If so, I will announce it in class, and you can find the changes updated here.

Disabilities

Note to Students with Disabilities

Penn State DuBois welcomes students with disabilities into the University's educational programs. If you have a disability-related need for modifications or reasonable accommodations in this course, *please contact The Office for Disability Services, Diana Kreydt, 142 Smeal Building, at 372-3037 or dlk34@psu.edu.*

For further information regarding the Office of Disability Services, visit their web site at www.equity.psu.edu/ods. Instructors should be notified as early in the semester as possible regarding the need for modification or reasonable accommodations.

GRADING PROCEDURE:

CLASS PERFORMANCE: 3% EXTRA CREDIT WILL BE ATTENDED TO YOUR FINAL GRADE SHOULD YOU BE PRESENT FOR AT LEAST 80% OF ALL CLASSES.

Students must contact the instructor as soon as possible if they anticipate missing one or more classes due to events such as chronic illnesses, travel related to team sports, or other university activities. E-mail is the best way to contact me. (vtc101@psu.edu)

HOMEWORK: *Should be completed in pencil.* 5 pts. per Chapter, 2 problems selected from listed, 70 PTS. Total (20%)

Note: *Chapters 15 and 16 will count for one homework grade.*

Late assignments will be docked one point per class period late.

LAB GRADES: 75 PTS. (approx. 25 PTS. Each) (Approx. 22%)

EXAM 1 (CHAPTERS 1-4): 50 PTS. (Each approx. 14.5%.)

EXAM 2 (CHAPTERS 5-7): 50 PTS.

EXAM 3 (CHAPTERS 8-10): 50 PTS.

FINAL EXAM (CHAPTERS 11, 12, PART OF 14): 50 PTS. *NOT CUMULATIVE*

CELL PHONE USE: Behaviors that disrupt other students' learning are not acceptable (e.g., arriving consistently late for class; cell phone use, reading non-course related materials, or social conversation during class), and will be addressed by the instructor.

Cell phones should be turned off during class and not brought on exam days.

GRADING SCALE:

A: 95-100%	C+: 75-78%
A-: 89-94%	C: 65-74%
B+: 85-88%	D: 50-64%
B: 81-84%	F: 0-49%
B-: 79-80%	

EXAM: Multiple choice type exams will be given with some short answer and/or completion. All relevant work has to be shown on the question sheet.

MAKE-UP EXAM: These are allowed only on medical grounds or in unavoidable situations. In either case, the instructor should be informed on or before the exam date. On the first day of arrival at the campus, the student must see the instructor to schedule a make-up exam.

ACADEMIC INTEGRITY: All students are expected to act with civility, personal integrity; respect other students' dignity, rights and property; and help create and maintain an environment in which all can succeed through the fruits of their own efforts. An environment of academic integrity is requisite to respect for self and others and a civil community.

Academic integrity includes a commitment to not engage in or tolerate acts of falsification, misrepresentation or deception. Such acts of dishonesty include cheating or copying, plagiarizing, submitting another persons' work as one's own, using Internet sources without citation, fabricating field data or citations, "ghosting" (taking or having another student take an exam), stealing examinations, tampering with the academic work of another student, facilitating other students' acts of academic dishonesty, etc.

Students charged with a breach of academic integrity will receive due process and, if the charge is found valid, academic sanctions may range, depending on the severity of the offense, from F for the assignment to F for the course.

The University's statement on academic integrity, from which the above statement is drawn, is available at <http://www.psu.edu/dept/oue/aappm/G-9.html>

SYLLABUS AND EXAM DATES

HOMEWORK PROBLEMS (From Exercises Unless Noted)

8/28, 30 CH 1: INTRO. CHEM.: (Review Questions) 5, 6, 7, 12, 15 CH 2: STANDARDS FOR MEASUREMENT CH 2: 5, 9, 11, 13, 17, 21, 25, 29, 33, 43, 45, 55

9/4, 9/6 CH 3: ELEMENTS AND COMPOUNDS CH 3: 1, 3, 5, 9, 13, 17, 19, 25, 32

9/11, 13 CH 4: PROPERTIES OF MATTER: CH 4: 1, 7, 11, 13, 15, 19, 23, 25, 29

9/18 LAB 1 (Hand out): Meet in Swift Building Room 225

9/20 Review Session Exam I

9/25 EXAM I (CH 1-4): Tuesday

9/27, 10/2 CH 5: EARLY ATOMIC THEORY CH 5: 5, 7, 11, 13, 15, 17, 19, 21, 23

10/4 CH 6: INORGANIC COMPOUNDS CH 6: 1, 3, 5, 7, 11, 13, 15, 17, 19, 21, 23, 28

10/9 LAB 2 (Hand out): Meet in Swift Building Room 225

10/11, 16 CH 7: QUANT. COMP. CH 7: 1, 3, 5, 7, 13, 15, 19, 21, 25, 29, 31, 35, 39, 50

10/18 Review Session Exam II

10/23 EXAM II (CH 5-7): Tuesday

10/25, 30 CH 8: CHEMICAL EQUATIONS CH 8: 1, 3, 7, 9, 13, 17, 19, 23, 36

11/1, 11/6 CH 9: STOICHIOMETRY CH 9: 7, 9, 11, 15, 17, 23, 25, 29, 31, 34, 39, 41a, 47

11/8 CH 10: PERIODIC TABLE CH 10: 1, 3, 7, 9, 11, 13, 19, 29, 33, 37, 49

11/13 EXAM III (CH 8-10): Tuesday

11/15 LAB 3 (Hand out): Meet in Swift Building Room 225

11/20, 22 No Class: Thanksgiving

11/27, 29 CH 11: CHEM. BONDS CH 11: 1, 3, 5, 9, 11, 15, 21, 25, 29, 33, 35, 37, 45

12/4, 7 CH 12: GASEOUS MATTER CH 12: 3, 5, 9, 15, 17, 21, 25, 31, 37, 43, 47, 50

12/11 CH 14: SOLUTIONS (Molarity) CH 14: 3 a + d, 5, 13, 15, 21, 29, 31, 33, 36, 40, 42

12/13 REVIEW FOR FINAL EXAM (CH 11, 12, Part of 14)

Final Exam scheduled for Final Exam Week (12/17 to 12/20).