

University of North Texas at Dallas
Fall 2011
SYLLABUS

CHEM 1360: Context of Chemistry		3Hrs
Department of	Health and Life Sciences	Division of
		Liberal Arts and Sciences
Instructor Name:	Dr. Donna Hamilton	
Office Location:	DAL2 250	
Office Phone:	972-338-1522	
Email Address:	Donna.hamilton@untDallas.edu	
Office Hours:	MW 10-11:30; TR 8:30-9:30	
Virtual Office Hours:	N/A	
Classroom Location:	DAL 241	
Class Meeting Days & Times:	TR 10-11:20 pm	
Course Catalog Description:	Fundamentals of chemistry for students who are not science majors. Topics include historical and philosophical development of chemistry, the environment, energy, industrial and economic development, modern materials and popular perspectives in chemistry.	
Prerequisites:	None	
Co-requisites:	CHEM 1360 D 390	
Required Text:	<i>Chemistry for Changing Times</i> , Hill, McCreary, and Kolb, 13 th Ed.	
Recommended Text and References:	N/A	
Access to Learning Resources:	UNT Dallas Library: phone: (972) 338-1616; web: http://www.untDallas.edu/our-campus/library UNT Dallas Bookstore: phone: (972) 780-3652; e-mail: 1012mgr@fheg.follett.com	
Course Goals or Overview:		
	Students will develop a basic understanding of chemistry; evaluate scientific writing and how scientific laws and theories are used; expand their quantitative problem solving skills and examine how science and chemistry affect everyday life.	
Learning Objectives/Outcomes: At the end of this course, the student will		
1	Be able to perform basic calculations related to chemistry.	
2	Demonstrate understanding of molecular shapes and polarity; oxidation and reduction reactions; and acid-base reactions.	
3	Develop a better understanding of the worlds of atoms and molecules and how chemistry relates to everyday life.	
4	Practice and demonstrate competence of Common Core Objectives including critical thinking skills, communication skills, empirical and quantitative skills and teamwork	

Course Outline

This schedule is subject to change by the instructor. Any changes to this schedule will be communicated in class.

TOPICS	TIMELINE	Other Deadlines
Chapter 1: Chemistry	Week of 8/25/14	
Chapter 2: Atoms	Week of 9/1/14	HW 1
Chapter 3: Atomic Structure	Week of 9/8/14	HW 2
Test 1	Week of 9/15/14	HW 3
Chapter 4: Chemical Bonds	Week of 9/22/14	Famous Chemist essay
Chapter 6: Gases, Liquids and Solids	Week of 9/29/14	HW 4
Chapter 7: Acids and Bases	Week of 10/6/14	HW 6
Test 2	Week of 10/13/14	HW 7
Chapter 8: Oxidation and Reduction	Week of 10/20/14	CIN written
Chapter 10: Polymers	Week of 10/27/14	HW 8
Chapter 11: Nuclear Chemistry	Week of 11/3/14	HW 10
Test 3	Week of 11/10/14	HW 11
Chapter 12: Chemistry of Earth	Week of 11/17/14	CIN presentation
Chapter 13: Air	Week of 11/24/14	HW 12
Chapter 14: Water	Week of 12/1/14	HW 13
Test 4	Week of 12/6/14	HW 14

Course Evaluation Methods

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

Exams

Chapter Homework – assigned problems from the Scientific Skills sections

Famous Chemist Biopic – a written essay on the life and contributions of a famous chemist following the guidelines provided in the grading rubric.

Chemistry in the News– a synthetic review of a recent news article relating to the study of chemistry (in writing) following the provided rubric.

Chemistry in the News Presentation- a synthetic review of a recent news article relating to the study of chemistry (as a group presentation) following the provided rubric

Class Participation – daily attendance and participation in class discussions

Grading Matrix:

Instrument	Value (points or percentages)	Total
Exams	4 exams @ 100 pts ea	400
Chapter Homework	12 @ 10 pts ea	120
Chemistry in the News written	25 pts ea	75
Famous Chemist Biopic	25	25
CIN Group Presentation	50	60
Attendance/Participation	15 @ 10 pts ea	150
Total:		830

Grade Determination:

A = 830 – 747 pts; i.e. 90% or better

B = 746 – 664 pts; i.e. 80 – 89 %

C = 663 -- 581 pts; i.e. 70 – 79 %

D = 580 – 498 pts; i.e. 60 – 69 %

F = 497 pts or below; i.e. less than 60%

University Policies and Procedures

Students with Disabilities (ADA Compliance):

The University of North Texas Dallas faculty is committed to complying with the Americans with Disabilities Act (ADA). Students with documented disabilities are responsible for informing faculty of their needs for reasonable accommodations and providing written authorized documentation. Grades assigned before an accommodation is provided will not be changed as accommodations are not retroactive. For more information, you may visit the Student Life Office, Suite 200, Building 2 or call Laura Smith at 972-780-3632.

Student Evaluation of Teaching Effectiveness Policy:

The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my course and I consider the SETE to be an important part of your participation in this class.

Assignment Policy:

All assignments are due at the start of class with no partial credit given for late submission. Unless otherwise indicated, all assignments are due in hard copy and may not be emailed for credit. The only extra credit points given are for the 4 provided case studies.

Exam Policy:

Exams should be taken as scheduled. No makeup examinations will be allowed except for documented emergencies (See Student Handbook).

Academic Integrity:

Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of Academic Integrity policy. Any person suspected of academic dishonesty (i.e., cheating or plagiarism) will be handled in accordance with the University's policies and procedures. Refer to the Student Code of Academic Integrity at <http://www.unt.edu/unt-dallas/policies/Chapter%2007%20Student%20Affairs,%20Education,%20and%20Funding/7.002%20Code%20of%20Academic%20Integrity.pdf> for complete provisions of this code.

In addition, all academic work submitted for this class, including exams, papers, and written assignments should include the following statement:

On my honor, I have not given, nor received, nor witnessed any unauthorized assistance that violates the UNTD Academic Integrity Policy.

Bad Weather Policy:

On those days that present severe weather and driving conditions, a decision may be made to close the campus. In case of inclement weather, call UNT Dallas Campuses main voicemail number (972) 780-3600 or search postings on the campus website www.unt.edu/dallas. Students are encouraged to update their Eagle Alert contact information, so they will receive this information automatically.

Attendance and Participation Policy:

The University attendance policy is in effect for this course. Class attendance and participation is expected because the class is designed as a shared learning experience and because essential information not in the textbook will be discussed in class. The dynamic and intensive nature of this course makes it impossible for students to make-up or to receive credit for missed classes. Attendance and participation in all class meetings is essential to the integration of course material and your ability to demonstrate proficiency. Students are responsible to notify the instructor if they are missing class and for what reason. Students are also responsible to make up any work covered in class during an excused absence. It is recommended that each student coordinate with a student colleague to obtain a copy of the class notes, if they are absent.

Students are expected to arrive on time for class and roll at the designated time. Being tardy or absent will affect the points earned for attendance and thus your overall grade.

Diversity/Tolerance Policy:

Students are encouraged to contribute their perspectives and insights to class discussions. However, offensive & inappropriate language (swearing) and remarks offensive to others of particular nationalities, ethnic groups, sexual preferences, religious groups, genders, or other ascribed statuses will not be tolerated. Disruptions which violate the Code of Student Conduct will be referred to the Office of Student Life as the instructor deems appropriate.

General Behavior:

Students are expected to conduct themselves in a professional and appropriate manner. You should expect to be silent when others are speaking, give your full attention to the professor or speaker, and refrain from reading newspapers or other distracting materials during class time.

Tobacco products of any kind are not permitted in the classroom.

Cell phones should always be on silent during class time.

Laptops and tablets may be approved for use in class for note taking on a provisional case-by-case basis.

Food is not permitted in the classroom although drinks are allowed as long as they are in a closed lid container.

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