

University of North Texas at Dallas

SYLLABUS

Spring 2015

CHEM 1360: Context of Chemistry Lecture		3Hrs
Department of	Health and Life Sciences	Division of Liberal Arts and Sciences
Instructor Name:	Dr. Sudha Chellamma	
Office Location:	Founder's Hall, 305	
Office Phone:	972-338-1000	
Email Address:	Sudha.Chellamma@untdallas.edu	
Office Hours:	Monday, 2-5 pm and by appointment	
Virtual Office Hours:	N/A	
Classroom Location:	DAL 240	
Class Meeting Days & Times:	MW 5:30-6:50 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 or on Blackboard. HW and Quiz deadlines are to be followed as per on Mastering Chemistry and Blackboard respectively.

TOPICS	Week of
Chapter 1: Chemistry	1/18/15
Chapter 2: Atoms	1/25/15
Chapter 3: Atomic Structure	2/1/15
Exam 1	2/8/15
Chapter 4: Chemical Bonds, Famous Chemist essay due	2/15/15
Chapter 6: Gases, Liquids and Solids	2/22/15
Chapter 7: Acids and Bases	3/1/15
Exam 2	3/8/15
Chapter 8: Oxidation and Reduction CIN write up due	3/22/15
Chapter 10: Polymers	3/29/15
Chapter 11: Nuclear Chemistry	4/5/15
Exam 3	4/12/15
Chapter 12: Chemistry of Earth CIN presentation	4/19/15
Chapter 13: Air	4/26/15
Chapter 14: Water	5/3/15
Exam 4	5/10/15

Course Evaluation Methods

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

- **Exams-** Total of four exams, 100 points each
- **Chapter Homework and Quizzes-** HW on Mastering Chemistry (MC).
- **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

Grading Matrix:

Items	Comments	Total (Percentages)
Exams	4 exams, 100 points each	40%
HW	HW for each chapter on MC	20%
Chemistry in the News write up and presentation	Rubric on Blackboard	10%
Famous Chemist Biopic	Rubric on Blackboard	5%
Attendance/Participation	Taken daily before the class	5%
Lab grade	Overall lab grade	20%
Total:		100 %

Grade Determination:

A = 90% or higher

B = 80 – 89 %

C = 70 – 79 %

D = 60 – 69 % F = 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. I consider the SETE to be an important part of your participation in this class.

Assignment Policy:

All assignment are due at the start of class with no partial credit given for late submission. All assignments are due in hard copy and will not be accepted by email for credit.

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/untDallas/policies/Chapter%2007%20Student%20Affairs,%20Education,%20and%20Funding/7.002%20Code%20of%20Academic_Integrity.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.

Communication

I will use Blackboard to post power points, homework assignments, answer keys and supplemental information. I also email the class occasionally, so please check your university email and blackboard regularly. Make sure to communicate using university email and I will respond within 24 h. on weekdays and by the next business day on weekends.

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 other distracting materials during the class time.

CLASSROOM POLICIES:

- Students are required to check Blackboard on a regular basis for any announcements.
- Students are responsible to come to exams with all necessary materials for examination. All exams will be multiple choice and may include a free response section.
- Grades will not be provided over the phone or by e-mail.
- No work or lab report will be accepted by e-mail.
- No make up exams will be given without prior approval.
- No late work will be accepted without prior written approval.
- Cell phones and/or pagers need to be turned off completely during the class period. No texting is allowed during the class period.
- No electronic devices other than calculators may be turned on during the class. If you need a calculator, **you will not be allowed to use your phone for this purpose.**
- Tobacco products of any kind are not permitted in the classroom.
- Food is not permitted in the classroom although drinks are allowed if in a closed lid container.

Grade of "Incomplete"

If a student is unable to complete the course due to extenuating circumstances, a grade an incomplete grade "I" may be assigned: The student must have attended class regular up to April 7th with a passing grade and arrangements must be made with me before the end of the semester. Also note the University will automatically change a grade of "I" to an "F" at the end of the next term, so the missed work must be made up before that time.

Instructor reserves the right to amend this Syllabus as necessary.