

CHEM 1451 Chemistry for Health Sciences
Section 500 Online Academic Partnership (AP) Course 15-Week

Instructor: Dr. Seiichiro Tanizaki (Profile URL: <https://www.uta.edu/profiles/seiichiro-tanizaki>)

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Office Hours: via email, phone (**Wednesday from 10:00 AM to 11:00 AM Central Time**) or by appointment

Course Description: Survey of general, organic, and biochemistry with emphasis on applications to the human body. Measurement, atomic theory and structure, bonding, quantitative relationships in chemical reactions, gases, solutions, electrolytes, organic functional groups and nomenclature, organic reactions, carbohydrates, lipids, proteins, enzymes, metabolism, and nucleic acids.

Required Materials:

- 1) **The textbook** is "Chemistry: An Introduction to General, Organic and Biological Chemistry (12th edition)" by Karen C. Timberlake, Pearson Education, Inc. (2015) (available at www.uta.edu/bookstore). Whatever option (hard copy or e-book) you choose, make sure to have an access to the content of the textbook. No other textbook is supported. My recommendation is to buy the e-book and the access code bundled directly at the website www.masteringchemistry.com or to use the reserved book and buy only the access code. Keep in mind that rental/used textbook does not come with an access code to the online homework system.
- 2) **Access to the online homework system:** Read the instructions for Online Homework Registration under "Homework (General Info)" in the course menu.
- 3) **The laboratory manual** is available free online within your course shell as part of your online materials.
- 4) **Laboratory Kit** available at www.uta.edu/bookstore (**required, not optional and no exception**).
- 5) **Chemicals:** You must supply chemicals (mostly household items such as salt) and some equipment (household items such as paper towel) by yourself. All chemicals you need for experiments in this course are household items and readily available except two items: **food dye** and **citric acid**.
 - You will need a box of assorted primary-color (red, yellow, green and blue) food colors: Ingredients should contain Yellow 5, Red 40, Blue 1 and Red 3. You will need it in Experiment 02. For example, McCormick's Assorted Food Colors and Egg Dye (Red, Yellow, Green and Blue) is acceptable. If you do not use a correct food dye, then your experiment result may not come out correctly and lose credits.
 - You will need 100% pure citric acid (typically in solid powder form; **DO NOT** buy it in liquid form) in Experiment 03. You may not be able to find it in any grocery store, but can purchase it online (the minimum amount you need is 10 g.). Make sure to order it in advance so that you could complete Module 3 experiment by the due date. Extension to the due date will not be allowed.
- 6) **A scientific calculator with the mathematical logarithmic function.**
- 7) **Access to a printer and access to a device that can make acceptable digital images** (scanner or copy machine with fax capability, etc.). Scans of lab reports will be uploaded to your course shell for grading. Make sure to use the **PDF** format for submitting your report.

Course Prerequisites: This online course is intended **ONLY** for students pursuing a career in AP nursing program, and all students should have completed MATH 1301, 1302 (College Algebra) or equivalent. To receive credit for CHEM 1451, you must also be enrolled in CHEM 1451 lab. CHEM 1451 cannot be counted for major credit toward a degree in science or engineering.

Student Learning Outcomes: Upon completing the course, the student should be able to understand major concepts in general, organic and biochemistry. (More detailed learning objectives are given in separate handout available in Blackboard course sites.)

- 1) **(General Chemistry)** To understand scientific measurement, atomic theory and structure, chemical bonding, quantitative relationship in chemical reactions, and acid-base chemistry.
- 2) **(Organic Chemistry)** To understand nomenclature, chemical reactions and properties of organic compounds.
- 3) **(Biochemistry)** To understand molecular structures, chemical reactions and properties of carbohydrates, lipids, and proteins.

Resources:

- 1) You will be able to communicate with your **Coach** for your questions.
- 2) For those who are able to visit the UTA campus, **the Chemistry Clinic** is located in Room 318 Science Hall and will be staffed with tutors (free services) available to answer your questions related to lecture and homework. Hours of the Chemistry Clinic will be announced on the front door of Room 318 SH.

Grading Policy: The grade in this course will be determined in the following manner.

Exam Average	50%
Homework Average	25%
Laboratory Average*	25%
Course Grade	100%

*Your Laboratory Average will be determined in the following manner.

Pre-Lab Assignment	30%
Post-Lab Report	70%
Laboratory Average	100%

All numerical grades are calculated by rounding them off to **two decimal places**: If the digit to be removed is less than five, then it is rounded down. If the digit to be removed is equal to or larger than five, then it is rounded up. For example, if your calculated final grade is 89.5649..., then your final grade is less than 89.56. Grades will be assigned according to the following scale.

Total Numerical Grade	Letter Grade
90 and above	A
80 to less than 90	B
70 to less than 80	C
60 to less than 70	D
Below 60	F

Major Assignments and Examinations

In the first week, before you start working on the course assignments, a student must pass the Syllabus Quiz. Failure to pass the quiz may preclude the participation in the graded sections for which a grade is assigned. Seven timed-exams will be given in the Blackboard course shell. You must perform seven at-home chemistry experiments and submit pre-lab and post-lab reports in Blackboard which are to be graded by your Coach. Web-based homework problems will be assigned and graded. More information (Registration, Login and Grading Policy) about the online homework system will be given in the Blackboard course site. None of homework assignments will be dropped. All due dates for homework assignments are directly available on the online homework site. You will be responsible for checking them and completing them by the due dates.

Lab Grades

- 1) **You must receive at least a 60% in Lab Average to be eligible to pass the course. In other words, if your final lab average is below 60%, then you will automatically receive F in this course.**
- 2) The Lab Assignment (Pre-Lab and Post-Lab) is due on the date specified in the lab schedule. Each report (Pre-Lab and Post-Lab) is worth 100 points. If you turn in reports late, you will be penalized points, at **a rate of 2 point per hour**. Effectively, after two days late, you will have been penalized all the possible points for that assignment.
- 3) **(IMPORTANT)** All work, with the exception of computer-generated graphs, must be original and handwritten: You must be a sole person who performs all experiments and completes all reports during this semester. Group work toward experiments is not allowed in this course. **If you are re-taking this course**, you must repeat all experiments, answer all questions and write all reports this semester. You **CANNOT** recycle any parts of experiments and reports from previous semesters. Recycling them is considered as academic dishonesty in this course and is prosecuted as such because this syllabus states that you must repeat every experiment, answer every question and write every part of reports every semester. **If you are re-taking this course**, you must approach each pre-lab and post-lab question anew every semester: If you simply copy your own solution from a previous semester, **DO NOT** expect to receive exactly the same grade in this semester: You may receive different scores if undetected errors in your answer are found and/or if grading standards are changed.
- 4) You will make an image of your Pre-Lab assignment and Post-Lab Reports (by using a scanner). All images must be uploaded to the course website before or on the due date listed in the lab schedule. **Use the PDF format.**
- 5) Your lowest Pre-Lab grade and Post-Lab grade will be dropped. Additional missed labs will receive zero credit. Any zero resulting from Academic Dishonesty is not eligible to be the lowest grade dropped. No extension to the due date will be given.
- 6) Do not turn in a report for an experiment which you did not perform yourself. This is considered cheating and will be addressed as such. Do not share any data among other students. Each student must perform an experiment independently. Group experiment work is not allowed, is considered cheating and will be addressed as such.
- 7) If you drop or fail Chemistry 1451, any grades earned in a previous semester (exams, labs and homework) cannot be carried over when you re-take Chemistry 1451. You must complete all lab assignments and homework assignments a new in the current semester.

Exam Grades

- 1) Seven exams will be given. These exams will cover the readings, lecture material, and homework problems.
- 2) **(Make-up Exam Policy)** No make-up exams will be given, and any missed exam will result in a grade of zero. However, the two lowest exam scores will be dropped. So, for example, if you missed an exam during the semester, then the zero credit of your missed exam will be dropped.
- 3) There will be no curving on exams or no extra credit assignments in this course.
- 4) You cannot exceed the allowed time for an exam.

Homework Grades

Web-based homework problems will be assigned. More information will be given within the Blackboard course shell. No extension to the homework assignment due date will be given. Students must practice them for succeeding in this course. No homework score will be dropped.

Lab Safety: All chemicals used in the experiments of this course are household items. You should follow the safety rules specified for each item. Additionally you must follow the guidelines described below. If you violate any of the following guidelines, you may be seriously injured. (1) Goggles, gloves and aprons are **required at all times**. (2) Shoes that cover **the entire foot are required at all times**. (3) Long pants and sleeves are **highly recommended**. (4) Musical or other entertainment devices (include cell phones) **should not be used** when you are performing experiments.

Other Course Policies:

Blackboard (Course Shell)

Students are responsible for checking the blackboard course website (<https://elearn.uta.edu/>) as well as their UTA email (the one ending in "mavs.uta.edu") for correspondence and announcements related to the course. Instructional materials (videos, study guides, and lab manual) will be posted on the course website.

Drop Policy: Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. *After the late registration period, students must see their academic advisor to drop a class or withdraw.* Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://wweb.uta.edu/aao/fao/>).

Disability Accommodations: UT Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including *The Americans with Disabilities Act (ADA)*, *The Americans with Disabilities Amendments Act (ADAAA)*, and *Section 504 of the Rehabilitation Act*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of disability. Students are responsible for providing the instructor with official notification in the form of a letter certified by the **Office for Students with Disabilities (OSD)**. Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting: **The Office for Students with Disabilities, (OSD)** www.uta.edu/disability or calling 817-272-3364. **Counseling and Psychological Services, (CAPS)** www.uta.edu/caps/ or calling 817-272-3671.

Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at www.uta.edu/disability or by calling the Office for Students with Disabilities at (817) 272-3364.

Title IX: The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit uta.edu/eos. For information regarding Title IX, visit uta.edu/titleix.

Student Support Services: UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to resources@uta.edu, or view the information at www.uta.edu/resources.

Academic Integrity: Students enrolled all UT Arlington courses are expected to adhere to the UT Arlington Honor Code:

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

Student Feedback Survey: At the end of each term, students enrolled in classes categorized as "lecture," "seminar," or "laboratory" shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

Electronic Communication: UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

Other Requirements:

- 1) Accomplish all reading assignments, homework assignments and lab assignments. A very strong correlation exists between regular study and success in Chemistry 1451. Perform all assignments in order. Because the topics covered in this course build on each other, missing even one assignment can mean the difference between success and failure in the course.
- 2) Take your own notes as you read a chapter or view a PowerPoint presentation. Then review your notes afterwards.
- 3) **Spend the necessary amount of time studying chemistry.** For courses on-campus, the rule of thumb for succeeding in Chemistry is three hours of study for every hour of lecture. Since there are 3 hours of lecture per week on campus, this means that at a **minimum** you should plan to study Chemistry an additional 9 hours each week on your own, for a total of 12 contact hours of with Chemistry per week. Similarly, for this online course, you should expect to spend at a minimum about **12 hours per week** (about 2 hours per day) studying Chemistry, in order to succeed in this course.
- 4) Do not procrastinate. These concepts take time to sink in, and you may have to practice these exercises over a period of many days in order master the necessary skills.

Course Schedule:

Week 01 (Ch 01/02)	Jan 18 – Jan 22	Week 02 (Ch 02/03)	Jan 23 – Jan 29	Week 03 (Ch 04)	Jan 30 – Feb 05
Week 04 (Ch 06)	Feb 06 – Feb 12	Week 05 (Ch 07)	Feb 13 – Feb 19	Week 06 (Ch 07)	Feb 20 – Feb 26
Week 07 (Ch 09)	Feb 27 – Mar 04	Week 08 (Ch 10)	Mar 05 – Mar 11	Week 09 (Ch 11)	Mar 12 – Mar 18
Week 10 (Ch 11)	Mar 19 – Mar 25	Week 11 (Ch 12)	Mar 26 – Apr 01	Week 12 (Ch 14)	Apr 02 – Apr 08
Week 13 (Ch 13)	Apr 09 – Apr 15	Week 14 (Ch 15)	Apr 16 – Apr 22	Week 15 (Ch 16)	Apr 23 – Apr 29

Important Dates

January 18	Course Start Date
January 29	Census date
March 25	Last day to drop classes: Submit requests to advisor prior to 4:00 pm (CT)
April 29	Course End Date
May 06	Grade Released to Students

"As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. –Seiichiro Tanizaki"

General Instruction

- You must pass the **Syllabus Quiz** (The score must be 100%).
 - The first week (**Week 01**) last five days. All other weeks (Week 02 – Week 15) lasts for seven days.
 - **Know your schedule.** All due dates are on **Friday at noon**. In this course, except the first week, weekends are not placed at the end, but instead they are placed at the start. Due dates will not change according to your schedule. Please make sure to consider, before you decide to take and stay in this course, if your schedule will meet the course requirement and if you can handle the due dates.
 - **Do not wait** until the last minute to complete homework or an experiment. If you experience network problems or if your computer crashes, it could cause you to miss the deadline. **Extensions to due dates will not be allowed when you could not complete your homework because you waited until the last minute.** For example, personal emergencies on the due date do not excuse you from completing assignments.
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Before You Start

Before you start, you must pass the Syllabus Quiz. It is mandatory that you pass the quiz: You must earn 100%. The rest of the course materials (Week 01 – Week 15) will appear once you pass the quiz. You also need to register to the online homework system to work on Week 01 homework assignments.

In addition to me, you will have one Coach answering questions regarding to lab experiments. Your Coach will grade your lab report (Pre-Lab and Post-Lab). For the Blackboard computer-related technical problems, please contact the UTA support team (NOT me or your Coach). The UTA support team can be reached by cdesupport@uta.edu or 817-272-5727 or Toll Free 888-882-2478. You can also post your questions in "Discussion Board". **Please make sure to read "Rules for Online Discussion" before you start posting your questions.**

(IMPORTANT) This chemistry course is a very intensive course. You must be able to spend the necessary amount of time studying chemistry. For courses on-campus, the rule of thumb for succeeding in Chemistry is three hours of study for every hour of lecture. Since there are 3 hours of lecture per week on campus, this means that **at a minimum** you should plan to study Chemistry an additional 9 hours each week on your own, for a total of 12 contact hours of with Chemistry per week. Similarly, for this online course, you should expect to spend **at a minimum** about 12 hours per week (about 2 hours per day) studying Chemistry, in order to succeed in this course.

Syllabus Quiz

Read the contents of the "Syllabus", "Lab (General Info)" and "Exam (General Info)". After reading the syllabus, the general lab information and the general exam information, take the Syllabus Quiz. You **MUST** receive 100% to pass the quiz to move on in this course. You can take the quiz as many times as you need until you receive the 100% score. **Please remember that each course has its own course policy. It is your responsibility to familiarize yourself with the policies for this course.**

Homework: Registration and Grading Policy

You will use the online homework and tutoring system throughout this semester. Registration and grading policy are explained. You should register to the online homework system as soon as you can and complete five assignments of Week 01.

Week 01

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 01 Chemistry in Our Lives: Section 1.4

Chapter 02 Chemistry and Measurements: Section 2.1 – Section 2.4

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time*: 6 hours)

Introduction to Mastering-Chemistry

Chapter 01 Homework 01

Chapter 01 Homework 02

Chapter 02 Homework 01

Chapter 02 Homework 02

* The total estimated time is given as “average”, and you might need more or less time.

Experiment

The Pre-Lab Report for UTA–100 Measurements

Make sure to obtain the CHEM 1451 Lab Kit from UT Arlington Bookstore: There are several fragile items in your lab kit such as thermometer, hydrometer, glass stirring rod and small test tube. You do not want to find out that items are broken at the last minute. The lab kit should contain a document listing all items. **If anything is missing or broken**, contact the UT Arlington bookstore immediately. Do this in the first week of the semester so that you will be able to complete an experiment by its due date. Failure to do so may cause you to miss the deadline if you find a broken item at the last minute. No extension to the due date will be given because you didn’t check all items!

Week 02

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 02 Chemistry and Measurements: Section 2.5 – Section 2.7

Chapter 03 Matter and Energy: Section 3.1 – Section 3.3 and Section 3.7 (“Melting and Freezing”, “Evaporation, Boiling, and Condensation”, and “Sublimation”)

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 8 hours)

Chapter 02 Homework 03

Chapter 02 Homework 04

Chapter 03 Homework 01

Chapter 03 Homework 02

Experiment

The Post-Lab Report for UTA–100 Measurements

Exam

Exam 01: The exam covers objectives for Chapter 01, Chapter 02 and Chapter 03.

Week 03

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 04 Atoms and Elements

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 5 hours)

Chapter 04 Homework 01

Chapter 04 Homework 02

Experiment

The Pre-Lab Report for UTA-200 Paper Chromatography

Week 04

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 06 Ionic and Molecular Compounds

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 9 hours)

Chapter 06 Homework 01

Chapter 06 Homework 02

Chapter 06 Homework 03

Chapter 06 Homework 04

Experiment

The Post-Lab Report for UTA-200 Paper Chromatography

Exam

Exam 02: The exam covers objectives for Chapter 04 and Chapter 06.

Week 05

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 07 Chemical Quantities and Reactions: Section 7.1 – Section 7.4

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 8 hours)

Chapter 07 Homework 01

Chapter 07 Homework 02

Experiment

The Pre-Lab Report for UTA-300 Chemical Reactions

Week 06

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 07 Chemical Quantities and Reactions: Section 7.5 – Section 7.7

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 5 hours)

Chapter 07 Homework 03

Chapter 07 Homework 04

Experiment

The Post-Lab Report for UTA-300 Chemical Reactions

Exam

Exam 03: The exam covers objectives for Chapter 07.

Week 07

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 09 Solutions

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 5 hours)

Chapter 09 Homework 01

Chapter 09 Homework 02

Experiment

The Pre-Lab Report for UTA-400 Acids and Bases

Week 08

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 10 Acids and Bases and Equilibrium (Exclude "Acid-Base Titration")

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 8 hours)

Chapter 10 Homework 01

Chapter 10 Homework 02

Chapter 10 Homework 03

Chapter 10 Homework 04

Experiment

The Post-Lab Report for UTA-400 Acids and Bases

Exam

Exam 04: The exam covers objectives for Chapter 09 and Chapter 10.

Week 09

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 11 Introduction to Organic Chemistry: Section 11.1 – Section 11.4

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 5 hours)

Chapter 11 Homework 01

Chapter 11 Homework 02

Experiment

The Pre-Lab Report for UTA–500 Hydrocarbons

Week 10

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 11 Introduction to Organic Chemistry: Section 11.5 – Section 11.8

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 4 hours)

Chapter 11 Homework 03

Chapter 11 Homework 04

Experiment

The Post-Lab Report for UTA–500 Hydrocarbons

Exam

Exam 05: The exam covers objectives for Chapter 11.

Week 11

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 12 Alcohols, Thiols, Ethers, Aldehydes, and Ketones

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 4 hours)

Chapter 12 Homework 01

Chapter 12 Homework 02

Experiment

The Pre-Lab Report for UTA-600 Colligative Properties

Week 12

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 14 Carboxylic Acids, Esters, Amines, and Amides

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 4 hours)

Chapter 14 Homework 01

Chapter 14 Homework 02

Experiment

The Post-Lab Report for UTA-600 Colligative Properties

Exam

Exam 06: The exam covers objectives for Chapter 12 and Chapter 14.

Week 13

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 13 Carbohydrates

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 4 hours)

Chapter 13 Homework 01

Chapter 13 Homework 02

Chapter 13 Homework 03

Chapter 13 Homework 04

Experiment

The Pre-Lab Report for UTA-700 Carbohydrates

Week 14

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 15: Lipids

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 5 hours)

Chapter 15 Homework 01

Chapter 15 Homework 02

Experiment

None

Week 15

Study Guide, Reading Assignments and Lecture Slideshows

Chapter 16: Amino Acids, Proteins, and Enzymes

Study Guide and Lecture slideshows are provided as supplement to help reading assignments.

Homework Assignments (Total Estimated Time: 5 hours)

Chapter 16 Homework 01

Chapter 16 Homework 02

Experiment

The Post-Lab Report for UTA-700 Carbohydrates

Exam

Exam 07: The exam covers objectives for Chapter 13, Chapter 15 and Chapter 16.

Rules for Online Discussion

Discussion Board will be open as of today. In each module, you should find the link “**Week X Discussion Forum**”. Click on the link and you will be in the discussion board. Post your question by using “**Create Thread**” or participate by using “**Reply**” function.

Before you start using the discussion board, make sure to read the following instructions and rules for online discussion.

Discussion board is meant to create a shared learning environment, facilitating student-to-student dialogue and student-to-instructor dialogue. Posted items must be relevant to students in the course. Never post any personal item in the board. **Before you post a thread, check the following list:**

- Have you put some effort into it? **Discussion board is not a place where you can ask someone else to do your work.**
- Is it related to the contents of this course? (If no, then don't post. Email it directly to your Coach or me.)
- Is it appropriate in a shared learning environment? (If no, then don't post. For example, if you have a question in your grade, ask your Coach or me directly. Never discuss Exam and Exam grade in the board. Instead email me directly.)

Discussion board is not meant to replace your study. You should not create a thread to ask an answer to assignments, exams or lab reports. (For example, don't post a question such as “What is the answer to ...?”) Also, **make sure to post your question in the right place:** If you have a question about Week 01, then do not post it in Week 05. Make sure to post it in Week 01 Discussion Forum.

Participate: This is a shared learning environment. For the maximum benefit to all, everyone should contribute.

Report Glitches: Discussion forums are electronic. They break. If for any reason you are having difficulty participating, please call, email me of the issue. Chances are your classmates are experiencing similar issues.

Help Your Classmates: You may have more experience with online discussion forums than the person sitting next to you. Give them a hand. Show them it's not that hard. They're really going to appreciate it!

Respect Your Classmates: Read everything in the discussion thread before replying. This will help you avoid repeating something someone else has already contributed. Acknowledge the points made with which you agree and suggest alternatives for those with which you don't.

Be Brief: You want to be clear—and to articulate your point—without being preachy or pompous. Be direct. Stay on point. Don't lose your readers in an overly wordy sentence or paragraph.

Respect Diversity: It's a multi-cultural world in which we live. Use no language that is offensive—or could be construed as such—toward others. Racists, sexist, and heterosexist comments are unacceptable, as are derogatory and/or sarcastic jokes directed at religious beliefs, disabilities, and age. Inappropriate activities will be reported to UT Arlington.

No YELLING! Be friendly. Using bold, upper-case letters is bad form, like yelling at somebody, NOT TO MENTION BEING HARD ON THE EYE.

Proper Writing Style: This is a must. Write as if you were writing a term paper. Correct spelling, grammatical construction and sentence structure are expected in every other writing activity associated with scholarship and academic engagement. Online discussions are no different.

Cite Your Sources: Another big must! If your contribution to the conversation includes the intellectual property (authored material) of others, e.g., books, newspaper, magazine, or journal articles—online or print—they must be given proper attribution.

No Flaming! Criticism does not belong to the discussion board in this course. Please, no tantrums. Rants directed at or about any of your classmates, Coaches, and the instructor are simply unacceptable and will not be tolerated. The same goes for profanity. The academic environment expects higher-order language.

Emoticons and Acronyms: The rise in social networking and text messaging popularity has spawned a body of linguistic shortcuts that are not part of the academic dialogue. Please refrain from :-) faces and c u l8r's.

Lastly, You Can't Unring the Bell! Language is your only tool in an online environment. The electronic footprint you leave behind is strictly verbal. Be mindful: your classmates' perception of you is one of your own making. Once you've hit the send button, you'll find your statements harder to retract.

Review your written posts and responses to ensure that you've conveyed exactly what you intended. This is an excellent opportunity to practice your proofreading, revision, and rewriting skills—valuable assets in the professional world for which you are now preparing.

Hint: Read your post out loud before hitting the send button. This will tell you a lot about whether your grammar and sentence structure are correct, your tone is appropriate, and your contribution clear or not.

Acknowledgement:

This document is prepared by modifying the content of <http://teaching.colostate.edu/tips/tip.cfm?tipid=128>

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