

**CHEM 2370.002: Organic Chemistry**

Spring 2019, University of North Texas, Denton  
Lecture: Mon, Wed & Fri; 9.00 a.m. – 9.50 a.m. @ LIFE A117  
Recitation: Wed 3.00 p.m. – 3.50 p.m. @ Essc 255  
(Jan 14, 2019 – May 10, 2019)

**Instructor**

Dr. Sri S. Subramaniam  
Office: Chemistry, room 269  
Email: [sri.subramaniam@unt.edu](mailto:sri.subramaniam@unt.edu)  
Phone: (918) 200-5933 or (940) 565-2713 (Chemistry Department office)  
Office Hours: Mon 10.00 a.m. – 11.00 a.m.  
Wed 10.00 a.m. – 11.00 a.m.  
Other time by appointment through email

**Course content:**

The CHEM 2370.002 is the first of introductory undergraduate organic chemistry curriculum at UNT. The course will cover material from chapter 1 – 11 from the textbook. The focus of the study will be on learning the structure, nomenclature, occurrence and uses of main classes of organic compounds; functional groups and their interconversion; character of chemical bonding; stereochemistry; structure and reactivity; acid/base reactions, resonance, inductive and steric effects; reaction mechanisms.

**Textbook**Required:

Organic Chemistry”, 12<sup>th</sup> Ed. by Solomons/Fryhle (Wiley). The course will cover topics presented in Ch. 1-11.

Optional:

- 1) Study Guide and Solutions Manual for Organic Chemistry, 12<sup>th</sup> Ed., Solomons/Fryhle (Wiley)
- 2) A molecular modeling kit for organic chemistry

**Lecture Notes**

The lecture notes will be posted on the course’s CANVAS Learn site prior to the lectures. You are strongly encouraged to print out the lecture notes, read them before class and bring them to the class. Announcements will be either posted at the course CANVAS site and/or distributed by e-mail.

**Class Attendance**

Regular attendance at lectures and recitations is required for this course. It would be difficult to catch up if you miss one or more lectures. Recitation session is very important for the learning of organic chemistry, and to help you refine your study skills to tackle this course. It is very important to attend recitation session for this course.

**Super Teaching Assistant**

The super TA for this course is Mr. Alejandro Benitz. The Super TA will also serve as substitutes for Dr. Subramaniam when Dr. Subramaniam is at conferences or other business trips/meetings.

email: [alejandro.benitz@unt.edu](mailto:alejandro.benitz@unt.edu)

Office hours: Thu 1.00 p.m. – 3.00 p.m. at Chemistry, room 362

**Supplementary Instruction**

Supplemental Instructor (SI) for this course is Jenil Rana (email: [jenilrana@my.unt.edu](mailto:jenilrana@my.unt.edu)). The SI will hold three study sessions outside the class schedule where you can go and ask questions about the course. He will contact you all in the first week of class. Further information about when and where he will hold his sessions will be provided as it becomes available. More information about supplemental Instruction available at <https://learningcenter.unt.edu/si>.

**Homework**

Sapling Learning will be used for homework assignment. Assignments and due dates will be announced through email and/or will be posted at the course CANVAS site. Follow the link <http://bit.ly/saplinginstructions> to create your sapling account for this course. Problems from the textbook will be assigned but will not be graded. You are strongly encouraged to do the problems in order to get good marks on exams.

**Additional Support**

Additional Support is available through the Chemistry Resource Center (CRC) and UNT Student Learning Center.

**Exams**

Exam 1: Wed, Feb. 06<sup>th</sup>, 3:00–3:50 p.m., Essc 255

Exam 2: Wed, Mar. 06<sup>th</sup>, 3:00–3:50 p.m., Essc 255

Exam 3: Wed, Apr. 17<sup>th</sup>, 3:00–3:50 p.m., Essc 255

Final Exam: Wednesday, May 4<sup>th</sup> – May 11<sup>th</sup>, (As per UNT final exam schedule)

Note: Exams 1–3 will emphasize the most recently covered materials. Final Exam will cover Cha 1-11 in the textbook.

You will be allowed to use the modeling kit while taking exams.

Exams will be 20-25 questions. Be prepared for multiple choice or Short answer type questions. Some questions may have different point values.

There is no talking or asking questions during exams. Hold all questions until exam has concluded.

**Quizzes**

Unannounced in class quizzes (~ 5 in total) will be given during lecture/recitation periods as an extra credit (~50 points total). No make-up quizzes will be allowed. Therefore, it's up to the individual to attend the lectures regularly to gather these quiz points.

**Grading**

Composition of grades:

Exam 1: 100 points

Exam 2: 100 points

Exam 3: 100 points

Final: 150 points

Sapling homework: 100 points

Total points: 550 points

Extra credits: 50 points (5 extra quizzes)

Letter grades: A  $\geq$  90% (495 points), B  $\geq$  80% (440 points), C  $\geq$  70% (385 points), D  $\geq$  55% (303 points), F < 55%.

The grading curving will be used if necessary.

Note: Students must report grading errors within seven (7) days after the return of the exam.

**Make-Up Exam**

If you must miss an exam due to a University-approved absence, please see the instructor to discuss the needed accommodations. A make-up exam will only be allowed in cases of illness and university approved absence. The instructor must be notified in written by the student prior to the regularly scheduled exam. Failure to do so may result in a grade of zero for the missed exam. The make-up exams will be scheduled for a day/time following the regularly scheduled exams and may have a different format from the original exam. Emergency situations will be handled on an individual basis.

**Disabilities:**

The Chemistry Department believes in reasonably accommodating individuals with disabilities and complies with the university policy established under section 504 of the *Rehabilitation Act of 1973* and the *Americans with Disabilities Act (1990)* to provide for equal access and opportunity. Please communicate with me as to your specific needs so that appropriate arrangements can be made through the department and/or the office of Disability Accommodation (ODA, Room 318A, Union, 565-4323).

**Academic Misconduct**

Academic dishonesty is not acceptable to UNT. Students caught cheating will receive a "0" for that assignment or exam. In addition, the incident will be reported to the Dean of Students, who may impose further penalty. Academic misconduct includes the following:

Using another person as a substitute in taking an examination

Cheating during an examination (This includes talking to another person during an examination or looking at someone else's answers)

Having any notes or textbooks in view during an exam

Providing false excuses to delay taking an examination  
 Having another individual provide answers to submitted problem sets

### Important Dates

Last day for change in pass/no pass status: Feb. 22<sup>nd</sup>, 2019

Last day to withdraw from this semester: Apr. 19<sup>th</sup>, 2019

### Tentative Schedule of Topics

Week	Week of	Lecture (Chapter)	Notes
1	Jan 14	01	Create account with sapling learning
2	Jan 21	01 contd 02	Homework chapter 01
3	Jan 28	02 contd 03	Homework chapter 02
4	Feb 04	03 contd 04	Homework chapter 03 Exam 01
5	Feb 11	04 contd 05	Homework chapter 04
6	Feb 18	05 contd 06	Homework chapter 05
7	Feb 25	06 contd 07	Homework chapter 06
8	Mar 04	07 contd 08	Homework chapter 07 Exam 02
Spring break			
9	Mar 18	07 contd 08	
10	Mar 25	08 contd 09	Homework chapter 08
11	Apr 01	09 contd 10	Homework chapter 09
12	Apr 08	10 contd	Homework chapter 10
13	Apr 15	11	Exam 03
14	Apr 22	11 contd Review	Homework chapter 11
15	Apr 29	Review	
	May 01		Review for final exam
	May 4 -10		Final Examination (per UNT schedule)

**Studying Organic Chemistry**

Contrary to what you may have heard, organic chemistry does not have to be a difficult course. You will learn more in it than in almost any course you will take—and what you learn will have a special relevance to life and the world around you. However, because organic chemistry can be approached in a logical and systematic way, you will find that with the right study habits, mastering organic chemistry can be a deeply satisfying experience.

1. Be prepared before you come to class -
2. Keep up with your work from day to day—never let yourself get behind.
3. Study material in small units and be sure that you understand each new section before you go on to the next.
4. Work all of the in-chapter and assigned problems.
5. Write when you study.
6. Learn by teaching and explaining.
7. Use molecular models when you study.