

Revised Course Syllabus for the Introductory Organic Chemistry & Biochemistry (CHEM 1308, CRN 27926)

Spring Semester 2020; Lectures: MWF; 7:30 am – 8:20 am, Liberal Arts Building 122

Due to the COVID19 pandemic, lectures will be delivered via Blackboard Collaborative Ultra from 3/30/20 – 05/06/20

Instructor: Dr. K. Michael; Office: CCSB 2.0414; Phone: 747-5240;
Email kmichael@utep.edu (preferred method of contact)

Office hours: Fridays, 3:00 pm – 4:00 pm, or by individual appointment. After 3/30/20, office hours will be held via Blackboard Collaborative Ultra upon request. Just send an email, and we'll set up an individual online meeting.

Text: **Required:** "General, Organic, & Biological Chemistry" by Janice Gorzynski Smith, 2nd, 3rd, or 4th Edition, Publisher: McGraw-Hill.

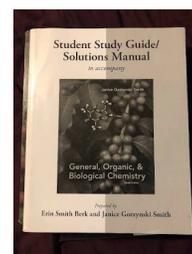
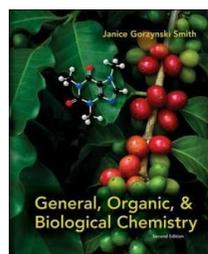
Recommended: "Student Study Guide/Solutions Manual". The text has an accompanying Student Study Guide/Solutions Manual. When practicing the concepts learned in class via homework problems, we will focus on those problems for which solutions are provided in the back of the text book in brief. The Student Study Guide/Solutions Manual has more detailed solutions. The edition of the textbook and the edition of the Student Study Guide/Solutions Manual must match. For example, if you use the 3rd edition of the textbook, then the Student Study Guide/Solutions Manual should also be the 3rd edition.

The UTEP bookstore sells the 4th edition of the loose leaf text for \$171.50, and the Student Study Guide/Solutions Manual (4th edition) for \$102.50. You can also order this book and the Student Study Guide/Solutions Manual on-line, and sometimes used copies are available for significantly lower prices. One advantage of the loose leaf version of the text is that you can bring individual chapters to class rather than carrying the heavy text book. The digital version of the text is also suitable. This is how the Smith text and the accompanying Student Study Guide/Solutions Manual look:

Text book
(required)

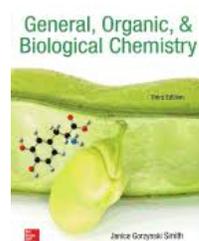
Student Study Guide/
Solutions Manual
(recommended)

2nd edition:



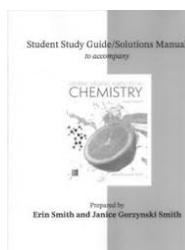
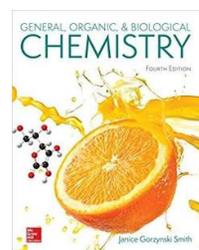
OR

3rd edition:



OR

4th edition:



Expected Learning

Outcomes: Students will acquire a firm foundation of the basic Organic Chemistry and Biochemistry concepts. The specific topics we will cover this semester are listed below ("see Curriculum").

Curriculum: This course will cover chapters 13 – 24 of "General, Organic, & Biological Chemistry" by Janice Smith. This includes "Unsaturated Hydrocarbons" (chapter 13), "Organic Compounds that Contain Oxygen, Halogen, or Sulfur" (chapter 14), "The Three-Dimensional Shape of Molecules" (chapter 15), "Aldehydes and Ketones" (chapter 16), "Carboxylic Acids, Esters, and Amides" (chapter 17), "Amines and Neurotransmitters" (chapter 18), "Lipids" (chapter 19), "Carbohydrates" (chapter 20), "Amino Acids, Proteins, and Enzymes" (chapter 21), "Nucleic Acids and Protein Synthesis" (chapter 22), "Metabolism and Energy Production" (chapter 23), "Carbohydrate, Lipid, and Protein Metabolism" (chapter 24).

Lecture: The lecture will follow the textbook closely in the given order of the chapters. It is recommended that you bring your textbook (hard copy or electronic version) to each class, follow along, and take notes. Before spring break, the lecture Powerpoint slides will not be posted; all information needed is provided in the text book. There will be many in-class practice problems (not graded). Due to the pandemic, after spring break all lectures will be delivered synchronously via Blackboard Collaborative Ultra. These lectures will be recorded and will be available to all students in Blackboard. In addition, the Powerpoint slides of the lectures will be posted on Blackboard.

Attendance: Attendance is required and will be occasionally recorded.

Homework: **Reviewing the material covered in each class in your textbook and practicing the assigned homework problems is essential for mastering the class material. VERY IMPORTANT: After each class homework problems will be posted in Blackboard for you to practice on your own or with other students in order to do well in the class. The homework will not be turned in. Practicing and understanding (not memorizing!) these homework problems is your best preparation for all exams. The exam questions will be similar to the assigned homework problems.**

Exam Dates: **1st Midterm Exam:** Friday, February 21, 2020 (chapters 13 – 16)

2nd Midterm Exam: Wednesday, April 1, 2020 (chapters 17 – 20.3)

3rd Midterm Exam: Monday, May. 4, 2020 (chapters 20.4 – ~23)

Final Exam: Friday, May 15, 2020, 7:00 am – 9:00 am (13 – ~23)

Exam Policies: Only two (not three) midterm exams and one final exam count toward your semester grade. Therefore, you only have to take two (not three) midterm exams, and the final exam. However, it is to your advantage to take all three midterm exams because the two best midterm exams (by letter grade) will count toward your semester grade. Of the three midterm exams, the one with the lowest letter grade (or the one you didn't take) will be dropped. For the first midterm exam, it is your responsibility to bring the following items to the exam:

- **A #2 pencil**
- **Your UTEP ID**
- **An Apperson form 29240** (not a scantron !!!!), see image attached. The bookstore sells these forms for \$0.25 each.

Due to the pandemic, all other exams (midterm exams 2 and 3, and the final exam) are open-book online exams administered via Blackboard. Both, textbook and lecture notes are allowed in these exams, but students are expected to conduct themselves with honesty and refrain from collaborating.

All exam questions will be in multiple-choice format. Each midterm exam has 20 questions; the final exam has 40 questions.

Extra Credit: Each midterm exam will have one additional question (question #21), and the final exam will have two additional questions (questions #41 and #42) for extra credit. The extra credit can

only be applied to the exam in which this question appeared. For example, extra credit earned for midterm exam 1 can only be applied to your midterm exam 1 score, but not to any of the other exams.

Make-up Exams: Make-up exams will only be granted in extraordinary situations, e.g. participation in a scientific conference, official travel of UTEP athletes, medical reasons with a doctor's note stating that you are unable to take the exam on the scheduled date. In all of these circumstances, make-up exams have to be requested in advance. Before spring break, granted make-up exams are oral and take place by appointment in Dr. Michael's office. After spring break, a make-up exam will be sent by email.

Grading: Your semester letter grade will be calculated based on:

- your two best midterm exams by letter grade ($2 \times 25\%$)
- your final exam by letter grade (50%)

Letter grades will be assigned based on GPA calculations:

GPA 3.5 – 4.0 – A

GPA 2.5 – 3.49 – B

GPA 1.5 – 2.49 – C

GPA 0.5 – 1.49 – D

GPA < 0.5 – F

Alternatively, the grade option Satisfactory/Unsatisfactory is available. Students need to submit a written request to the Registrar Office by May 7, 2020. In order to receive the grade "Satisfactory", students must have a GPA of 1.5 or higher. A GPA < 1.5 will result in the grade "Unsatisfactory".

Important Dates:

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|-----------------------|--|
| First class: | Wednesday, January 22, 2020 |
| Census Day: | Wednesday, February 5, 2020 (last day to drop class without W) |
| Spring Break: | March 16 – 27, 2020 (extended by one week due to the pandemic) |
| Cesar Chavez Day | Friday, March 27, 2020 |
| Spring Study Day: | Friday, April 10, 2020 (no classes) |
| Last CHEM 1308 class: | Wednesday, May 6, 2020 |
| Course drop deadline: | Thursday, May 7, 2020 |

Disability: If you have a physical or a learning disability, please contact UTEP's Center for Accommodations and Support Services. For those who qualify, there are certain mechanisms of assistance in place.

This is how the **Apperson form 29240** looks like, see below. At the bottom of the form it says "#29240". The UTEP bookstore sells it. You can also get it at Kinley's House Coffee & Tea, 2231 N. Mesa Street, however, at Kinley's they want you to purchase a food/drink item.

Key (K) Verify (V) Rescore (R)

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▶ ENROLL HERE ONLY ▶ Example (A) (B) (C) (D) (E)

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Apprentice **DataLink** 3000 / Sidelink (Formerly SmartMark)
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