

## Course Syllabus

Course Number: Chem 2423h

Trimester Credit Hours: 4

Course Title: Organic Chemistry I

Total Contact Hours Per Trimester: 90

Course Director: Carissa Manrique

Office Hours: M 9-10:50pm; T-R 1-1:50pm

### COURSE DESCRIPTION:

Our mission is to provide students with core knowledge in basic sciences so they can become successful as Parker students, on board exams, in treating patients, and eventually becoming chiropractors and leaders in the field of wellness.

The topics covered that will be covered in Organic I are organic molecules, structures, properties, stereo-chemistry, reactions, alkenes, alkanes, alkynes, SN1, SN2, E1, E2 and alcohol properties.

### GENERAL APPROACH TO TEACHING:

As I learn more about the teaching process and tools and techniques for engaging students and improving classroom techniques, I hope to become a stronger teacher, and leave students with a better understanding of science. I employ several active learning techniques, in an attempt to keep students involved. To get students involved in the process of learning, I have found that giving varied assignments and multiple examples are effective techniques

### ESTIMATE OF STUDENT WORKLOAD:

The estimated workload for this class is approximately 1hr studying/1hr lecture

### LEARNING OUTCOMES:

At the completion of this course, the student should:

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Understand the foundation of lewis dot structures and identify acids and bases
2. Recognize the structures and properties of organic molecules
3. Identify features and properties of alkanes, alkenes and alkynes
4. Predict reactions of alkanes, alkenes, and alkynes
5. Predict molecular stereochemistry
6. Nucleophilic and Elimination reactions
7. Structures and synthesis of alcohols
8. Perform organic laboratory reaction

#### ASSESSMENT:

The student will be assessed through quizzes, discussion questions, lecture exams, papers and a project. All exams are given in the lecture classroom on the given dates provided in the class calendar.

#### PREREQUISITES:

Enrollment in Parker University, High School chemistry, College algebra, General chemistry I and II

#### REQUIRED TEXTBOOKS:

“Organic Chemistry” 7<sup>th</sup> ed L.G. Wade

#### RECOMMENDED ADDITIONAL TEXTBOOKS:

#### SUPPLIES:

Access to a computer that is compatible with the My Parker website and can support the course resources, basic calculator with log functions, scantrons, pencils

#### GRADING SYSTEM:

Evaluation is an integral part of the educational process and is used as an educational tool to help students identify problem areas, to recognize and reward achievement, and to identify students who are unable to meet the rigors of the curriculum. Final course grades and their interpretation are listed below:

Grade	Numerical Value	Grade Point Average	Interpretation of Academic Achievement
A	89.5-100	4.0	Excellent
B	79.5-89.49	3.0	Above Average
C	69.5-79.49	2.0	Satisfactory
D	69.49 or Below	0.0	Unacceptable

This grading scale is strictly adhered to. There are NO exceptions.

Exams: (4)	65%	(100pts each)
Final Exam (1)	19.6%	(150 points)
Labs: (6)	10%	(10 pts each)
Lab Worksheets (6)	5%	(5 pts each)
Project	10%	(55 pts)
Discussions: (7)	5%	(5 pts each)
Lecture Quiz: (7)	5%	(5 pts each)
<b>Total:</b>	<b>100%</b>	<b>(615 points)</b>

## LABS:

Lab coat, Goggles, Gloves

## 90/90 RULE:

Not applicable

## EXTRA CREDIT:

Not applicable

## ATTENDANCE/COURSE PARTICIPATION

1. Lecture component of this online course will be accomplished by watching the vodcast of the lectures for that week, taking part in the discussion postings for every week, taking the lecture tests and doing the project. The lecture tests will be taken in class at the date and specified in the course calendar. It is highly recommend to keep up with the course load and vodcasts to succeed in the classroom.
2. Discussion postings- the student will be expected to create one original discussion posting answering the question posed by the instructor. This must be posted no later than midnight on Sunday in that week. The student is expected to make at least 2 substantive responses to discussion postings by other students by Sunday at midnight.
3. Weekly quizzes are due every Sunday at midnight found under “coursework” on the My Parker website. These quizzes cover the weekly lecture material. Each student has three attempts at the quiz.
4. Weekly Assignments page- Each week you will find a page on the My Parker website. Each weekly page contains material for the weeks lecture. Lecture notes, handouts, lab materials, discussions link and an outline of lecture topics are found.
5. Wiki Project- Students are required to build a wiki page with their lab partner over a chosen topic by the professor. Each week there will be a project assignment, the schedule is found on My Parker under “Wiki Project” The wiki page should look professional and should be edited each week. I will grade your improvements and your adherence to the assignment each Sunday by midnight.
6. Lab Materials- This contains a safety video that will be viewed before your first lab session. In addition, the lab rubric and lab rules are also found. Lab reports are done as a lab group. Each student will label each section he/she was responsible for. Each student will be graded on his/her section as well as the lab report as a whole. Every student MUST participate in writing the lab report and the lab activity. At the end of the semester students will review their lab partner, which will be part of the final lab grade.

## COMMUNICATION WITH THE INSTRUCTOR:

The instructor will respond to E-mails posted through the course page within 24 hours during the week and within 48 hours on the weekend. In addition, notifications will also be posted on the My Parker website. If student needs additional help it is encouraged to come to my posted office hours.

**A complete listing of all Academic policies is found on the MyParker Website/Academic Home Page/Common Policies:**

- Absences for Religious Holidays
- Academic Dishonesty
- Academic Promotion,
- Probation and Dismissal Policy
- Appeals Assistance and Accommodations
- Attendance Policy
- Audio/Video Taping Cell Phones and Electronic Devices in Class
- Classroom Behavior
- Communications Computer Usage
- Examinations (Make up Exams/Lab Practical's)
- Altering Grades on Exams
- Exam Review
- Final Examinations
- Grading System
- Late Instructors to Lecture/Lab
- Missed Exam Policy
- Professional Decorum
- Special Needs Consideration
- Student Bereavement Policy
- Excused Absences

**DISCLAIMER**

The lecture outlines contained in the lecture booklet are NOT intended to represent the entire content of the course. A lecture outline is intended to be a guide to the lecture. The responsibility of the instructor is to follow the outline, expand the concepts and give explanation and illustrations to clarify content. The role of the student is to attend lecture and take notes over material presented by the lecturer that explains and illustrates the material listed in the outline. It is also the responsibility of the student to question the instructor if explanations and illustrations are not clearly presented or understood.

The instructors take no responsibility for the accuracy or completeness of old notes, quiz questions or exam questions that students may purchase, acquire from off of the internet or be given by previous students.

**IMPORTANT NOTE:**

The provisions contained in this syllabus do not constitute a binding contract between the student and the Parker University. These provisions may be changed at any time and for any reason at the discretion of the Course Director. When it is necessary to make changes to this document, appropriate notice (at least one week, if at all possible) will be given to the student(s).