

Course Syllabus

Course Number: Chem 2423

Course Title: Organic Chemistry I

Course Director: **Carissa Manrique**

Office Hours: M-R 1-1:50pm

Lab Director/Instructors: Carissa Manrique

Trimester Credit Hours: 4

Total Contact Hours Per Trimester: 90

Lab Hours Per Week: 4

Lab Contact Hours/Trimester: 30

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:

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 work load for this class is approximately 1hr studying/1hr lecture

LEARNING OUTCOMES:

At the completion of this course, the student should:

1. At the completion of this course the student should be able to:
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 assessed through quizzes, lecture exams, laboratories and a presentation

PREREQUISITES:

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

REQUIRED TEXTBOOKS:

“Organic Chemistry” 7th ed L.G. Wade

RECOMMENDED ADDITIONAL TEXTBOOKS:

SUPPLIES:

Goggles, lab coat, calculator, scantrons

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
F	69.49 or Below	0.0	Unacceptable

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

Tests: 4 test	75%
Labs:	10%
Lab Quizzes:	5.0%
<u>Project:</u>	<u>10%</u>
TOTAL	100%

LABS:

Goggles, lab coat, lab report and quiz every week

OPEN LABS:

Not applicable

90/90 RULE:

Not applicable

EXTRA CREDIT:

Not applicable

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 Practicals)
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 College of Chiropractic. 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).