

## Course Syllabus

Course Number: 2425

Course Title: Organic Chemistry II

Course Director: Carissa Manrique

Office Hours: M-R 7-8:50am

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 will be reactions of alcohol, carboxylic acid and its' derivatives, amines, thiols, ethers, and aromatics. In addition, NMR, IR and MS spectra will be covered.

### **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:**

5 hours outside of week to review new material; Test questions will come from suggested hw problems, activities done in class and class examples. Homework is not required but is highly suggested for success in the class

### **LEARNING OUTCOMES:**

At the completion of this course the student should be able to:

1. Draw resonance structures for various organic chemistry reactions
2. Predict synthetic steps in an organic chemistry reaction
3. Recognize chemical functional groups
4. Recognize different amino acids and their interactions

**Lab Objectives:** At the completion of this course, the student should be able to:

1. Know common glassware and use
2. Perform organic chemistry reactions
3. Separate mixtures
4. Read various organic instrumentation spectra

**ASSESSMENT:**

Assessment is given through labs, quizzes, exams, and presentations

**PREREQUISITES:**

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

**REQUIRED TEXTBOOKS:**

Chemistry, A Molecular Approach by Nivaldo J. Tro ISBN: 0-13-100065-9

**RECOMMENDED ADDITIONAL TEXTBOOKS:**

**SUPPLIES:**

Scantrons, lab coat and goggle, gloves (disposable)

**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:**

Lab coat and goggles

**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).

