Course Syllabus

Course Number: Chem 2424 L Trimester Credit Hours: 1
Course Title: Organic Chemistry I
Course Director: Carissa Manrique, PhD
Office Hours: M 9-10:50pm; T-R 1-1:50pm

COURSE DESCRIPTION:

Organic Chemistry 1 Lab is an unique class that will give students hands-on experience with concepts learned in class. The labs will be performed outside of class so each student will perform their own individual lab. Our mission is to provide students with core knowledge in basic sciences and lab techniques 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.

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 4 hr lab/wk

LEARNING OUTCOMES:

At the completion of this course, the student should:

1. Apply fundamental of Organic Chemistry to your chiropractic career
2. Perform basic organic chemistry laboratory activities
3. Create laboratory reports

ASSESSMENT:

The student will assessed through worksheets, lab reports and exams

PREREQUISITES:

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

REQUIRED TEXTBOOKS:

1. "Organic Chemistry" 7th ed L.G. Wade
2. LabPaq Manual- 0454-CK-01 (cd)

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, LabPaq supplies, Lab googles, access to a video camera (phone)

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 (2)	100 points
Lab Reports (5)	100 points
Lab Worksheets (10)	150 points
Total	**350 points**

90/90 RULE:

Not applicable

EXTRA CREDIT:

Not applicable

ASSIGNMENT SUBMISSION

You will submit all assignments through a Forum located on the class lab Parker page, a handout and video instructions can be found under "lab materials" on MyParker. Each week one labreport, two worksheet and two videos submissions are due.

ATTENDANCE/COURSE PARTICIPATION

The LabPaq activities are performed off campus so for proof of attendance and participation a 5 min video summary of the activity must be submitted with each lab activity. This 5 min video will include a portion of you setting up the lab and performing

the lab activity and a summary of the results you found. Specific details on what is required for each lab video can be found under CHEM-2424 Lab in My Parker. Each lab also has a required lab worksheet found at the end of each lab activity that must be turned in with the lab for full credit. Lab activities 2,4,6,8,10 will have a lab report that will accompany the lab worksheet. The lab report format and rubric are found on the MyParker website under "Lab Materials". Each lab activity will have a pre-lab lecture vodcast that will introduce the topic and explain the lab activity. You MUST watch all vodcast, these will be important in answering the activity questions. The lab schedule for the semester is as follows:

Week	Lab Experiment
1	A. Spectroscopy I -Worksheet B. Spectroscopy II-Worksheet + Lab Report
2	A. Reactions of Alcohols- Worksheet B. Aromatic/Antiaromatic Compounds- Worksheet + Lab Report
3	A. Bromination of Benzene- Worksheet B. Mid-Term Exam
4	A. Sugars- Worksheet + Lab Report B. Amino Acids- Worksheet
5	A. Enzymes- Worksheet + Lab Report B. Lipids- Lab Report
6	A. Salicylic Acid- Worksheet + Lab Report B. Lab Final

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).