California State University Dominguez Hills  
Department of Chemistry  
ORGANIC CHEMISTRY LABORATORY I  
General Information - Fall 2010

Course  
CHE 311L  
Meeting  
1:00-4:00 p.m. Tuesday (section 01), Wednesday (section 02) and Thursday (section 03), NSM C-351; pre-laboratory instruction in NSM C-315 or D-129

Materials:  
• printouts of instructions for laboratory experiments (compiled by Dr. Noel Sturm) from the CHE 311L schedule which can be read via http://www.csudh.edu/sofia/#courses  
• laboratory data notebook with carbonless pages for recording experimental procedures and data.  
• binder for storing lab manual, pre-laboratory lecture notes and handouts, and graded reports/quizzes.  
• calculator with logarithm and exponent keys  
• safety glasses  
• laboratory apron or coat (recommended, to protect your skin and clothes)

Instructor  
Dr. Sofia Pappatheodorou  
Office Hours  
Monday, Thursday, and Friday 11:30 a.m.-12:30 p.m., Wednesday 4-5 p.m., and by appointment  
Faculty Office  
NSM B-316, 310-243-3384  
Research Laboratory  
NSM B-324, 310-243-3425  
Department Office  
NSM B-202, 310-243-3376  
E-mail  
sofia at csudh.edu

Policy  
Objectives & Regulations  
This course covers the first half of the year-long laboratory in Organic Chemistry for the majors and pre-health professionals. It involves mainly the instruction of techniques for separating and purifying organic compounds followed by an introduction to organic synthesis. Concurrent enrollment or previous credit in Organic Chemistry I (CHE 310) is required.
Course Schedule
The laboratory assignments are listed on the accompanying schedule sheet. Attendance is mandatory for full credit. All work intended for the laboratory should be done during the scheduled periods. For justifiable absences, permission may be granted by the instructor for the student to work in another lab section or with the data of another student for writing a laboratory report on the missed experiment.

Assignments
All assigned reading in the text and the experimental procedures must be studied before class. Instructions for each experiment are available through the CHE 311L section of http://www.csudh.edu/sofia/#courses by following the links in the schedule. They should be printed and brought to the laboratory.

The principal concepts for each laboratory exercise, the procedure, and the write-ups will be reviewed by the instructor at the beginning of the lab period. Notes taken on this information, and handouts that are distributed should be kept in a loose-leaf binder for reference.

Laboratory Notebook
This book is your workbook and should contain your experimental procedure, data and observations. **Note that the lab notebook is not the lab report which is written and submitted separately.** Each page of the workbook should be numbered consecutively. The first page should provide ownership information, followed by a page reserved for a table of contents. All other pages should be identified with the title of the experiment (may be abbreviated), the date performed, and the number of any unknown. Entries must be made in ink. Please use the following format for your lab notebook entries:

Before class, read the experimental procedure in the printouts, and then rewrite it in abbreviated form in your notebook as a numbered series of steps. You may cite the printouts or textbook for diagrams of apparatus, etc. You may revise the procedure in light of the pre-lab instructions and discussion. Have the instructor check the write-up of your procedure and the set-up of your apparatus before starting your experiment. The instructor will then initial your notebook.

While carrying out the procedure, you can record your activities by briefly referring to the numbered steps, unless you deviate from the plan. Write directly into your notebook (not on loose sheets of paper) any measurements, size of apparatus, or other observations, referring to the numbered procedure. As you write, be sure to press hard enough to make a readable copy.

At the end of the period, give the instructor the blue or yellow copies of all notebook pages for that day. Otherwise, you will not receive credit for the laboratory work. These sheets will be evaluated and compared to the data you submit with your report. Leave the original (white) sheets in your notebook (you will need them when writing the report).
**Laboratory Reports**
A report should be submitted one week after the completion of each experiment. Late reports are subject to a penalty. The reports are to be written or typed on composition paper and should follow the format given in the printouts for each experiment (but may be modified in the pre-lab discussion). Click on the Report listed with each experiment in the syllabus to print out the instructions. All graded reports should be stored in the binder together with the lab notes for that experiment.

**Essay**
An essay on Column Chromatography will be turned in on the week of the experiment on TLC/GLC Chromatography.

**Lab Practicum**
A laboratory exercise which will be graded will be required as the final laboratory. Each student will be given an unknown to identify by the techniques learned during the semester.

**Exams**
An exam on experimental measurements will be given in class before the first experiment. A written take-home exam covering the material from the semester will be given in two parts: the first part will be taken during the Thanksgiving break; the second part will be due at the laboratory check-out.

**Grading**
The course grade will be based on the total number of points obtained out of a possible of 150: each of 10 labs is worth 10 points (performance + report) for a total of 100; the three exams count for ten points each; the practicum is worth 20 points.

**Academic Integrity and Plagiarism**
Please refer to page 15 & 16 of the 2009-2011 University Catalog for a description of the CSUDH policy on academic integrity, and for the disciplinary options available in the event of violations. All members of the University Community are expected to abide by the highest standards of academic integrity as expressed in this code.