

CHEM 4010/6010-Laboratory

Fall semester 2014
Friday 9:00 am – 12:15 pm

Instructor: Dr. Danzhu Wang

Email – dwang19@gsu.edu

When sending me an email, please use your official GSU email and put course name (Chem4010) in the subject line

Office: Courtland North 202

Office Hours: Tuesday 2:00 pm - 4:00 pm

Texts & Materials:

GSU Chem4010/6010 lab manual (provided)

Hard bound lab notebook (required)

Safety glasses or goggles (required)

Laboratory: Friday (starting 08/29/14) 9:00 am – 12: 15 pm

Pre-lab 9:00 am – 9:30 am (NSC 242)

Lab 9:30 am – 12:15 pm (NSC 246 for GC, NSC 242 for TLC, NSC 240 for HPLC)

Laboratory Policies: Students will be provided with state-approved safety glasses at check-in as part of the lab fee to be used on the first day of lab. A laboratory manual will be provided during the first prelab lecture.

Students who fail to attend the first laboratory session may LOSE THEIR SPACE IN LAB. If lab space is lost, the student will have to WITHDRAW FROM THE COURSE (i.e both lab and lecture).

Class Attendance: Students are expected to attend all laboratory sessions. There is no allowance for an exemption from any chemistry experiment.

Make-up Labs: Permission to make-up a missed lab will be granted for EXCUSED absences only. Students must send email to your lab instructor immediately when missed lab happened in order to arrange a substitution lab. Students must make-up a lab in either Dr. Patonay's lab (Thursday 9 am to 12:15 am) or Dr. Chen's lab (Wednesday 9 am to 12:15 pm) within the week. Written permission form from your lab instructor is required to make-up a missed lab. Students must notify the instructor who is going to give the make-up lab before taking the missed lab.

Late Assignments: Late assignments will be penalized 2 points for each day and 10 points per week.

Tentative schedule Fall 2014

Name of experiment	Date	lab
Injection Technique	8/29 GC Experiment 1	1
Qualitative	9/5 GC Experiment 2	2
Quantitative	9/12 GC Experiment 3	3
HETP (Formal report #1 due)	9/19 GC Experiment 4	*4
Kovat's	9/26 GC Experiment 5	5
Temperature Program (Formal report #1 resubmission)	10/3 GC Experiment 6	*6
Enthalpy	10/10 GC Experiment 7	7
Retention order and selectivity for compound with similar BP	10/17 GC Experiment 8	8
Thin-Layer Chromatography (Formal report #2 due)	10/24 TLC	*9
Commercial Samples	10/31 HPLC 1 Group A	10
Commercial Samples (Formal report #3 due)	11/7 HPLC 1 Group B	*10
Gradient Separation (Notebook due)	11/14 HPLC 2 Group A	*11
Gradient Separation (Notebook due)	11/21 HPLC 2 Group B	*11
Formal report #4 due (Kell Hall 694)	12/5	*

Grading:

Notebook Exercises	90pts
Report 1	90pts
Report 2	90pts
Report 3	90pts
Report 4	90pts
Preparedness Quiz etc.	50pts
Total	500pts

Chemistry Departments Student Integrity Policy:

The Department of Chemistry follows the University policy on academic honesty published in the "Faculty Affairs Handbook" and the "On Campus: The Undergraduate Co-Curricular Affairs Handbook". All tests taken must represent the student's individual, unaided effort. To receive or offer information during any examination will be considered cheating.

Any suspected offense may be referred to the Department's Chairman for appropriate action. Class will never be cancelled unless an official from the Chemistry Department gives the class personal notification. Don't assume a note to be enough without checking the Department's office. The University requires that faculty members must, on a date after the mid-point of the course to be set by the Provost (or his designee)

1. Give a **WF** to all students who are on their rolls but are no longer taking the class and
2. Report the last day the student attended or turned in an assignment.

Students who are withdrawn may petition the Departmental Chair for reinstatement into their classes.