

CHEM 253: Organic Chemistry II Lab

Manager: D. Lashley

Office: ISC 1052

Phone: 757-221-7459

E-mail: Dlashley@wm.edu (best way to contact me)

Lab Times & Professors:

Day	Time	Section Instructor	Instructor Email
Monday	1.00 - 4.50 PM	D. Lashley	dlashley@wm.edu
Tuesday	8.00 -11.50 AM	J. Scheerer	jrscheerer@wm.edu
Tuesday	1.00 - 4.50 PM	J. Walk	jtwal2@wm.edu

Senior Lab Specialist: Janet Hopkins, ISC 1037, jlhopkins@wm.edu

Grading

There will be nine labs this semester. For each lab you will take a pre-lab quiz (20 pts) on Blackboard prior to the lab as well as turn in lab report-sheets (80 pts) to your TA on the day of the lab (prior to leaving), so that each lab is worth 100 pts total.

720 Pts – Lab Report Sheets (9 Experiments, 80 pts each)

180 Pts – Pre-Lab Discussion Quizzes (9 Quizzes, 20 pts each)

200 Pts – Lab Midterm (covering labs 1-5)

400 Pts – Final Exam (covering labs 1-9)

1,500 Points Total

The traditional 90%/80%/70%/60% grade cutoffs will be followed in the course.

Important Dates

Sep 10th – Add/Drop Deadline

Nov 1st – Withdraw Deadline

Weekly Schedule

There is no lab until the week of Sept 13.

Lab Safety Training

Must be performed online prior to 12noon on Monday, September 13th. You will be emailed information on how to register for this. Please register by Friday September 10th at noon so you can perform the training by Monday.

Monday, 12noon – Complete the Blackboard pre-lab quiz by this time each week. You must successfully pass the quiz by this time each week to be permitted into the lab. You have unlimited attempts, but you will lose points for each additional attempt.

The first pre-lab quiz is due by 12noon on Monday, September 13th. **If you pass the quiz past the due date but before the start time of your lab, you will be allowed in the lab, but you will have a 20% deduction in grade. Failure to successfully pass the pre-lab quiz by the start time of your lab section will result in exclusion from that week's lab and will count as one absence.**

Dates	#	Experiment	Assessment
Week 1 Sep 13 - 14	1	Recrystallization and Melting Point	Pre-lab Quiz AND safety training due Sep 13 at noon
Week 2 Sep 20 - 21	2	Extraction	Pre-lab Quiz due Sep 20 at noon
Week 3 Sep 27 - 28	3,4	Esterification / Oxidation Half the students will perform Esterification, while the other half performs Oxidation	Pre-lab quizzes for BOTH experiments are due on Monday Sep 27 by noon
Week 4 Oct 4 - 5	3,4	Esterification / Oxidation Half the students will perform Esterification, while the other half performs Oxidation	-
Week 5 Oct 11 - 12	5A	Grignard Part A	Pre-lab Quiz due Oct 11 at noon
Oct 18 - 19		<i>Fall Break</i>	-
Week 6 Oct 25 - 26	5B	<i>Midterm Exam</i> (in person in the lab room) followed by Grignard Part B	Midterm (tests knowledge of labs 1-5)
Week 7 Nov 1 - 2	6	Kinetic vs Thermodynamic Control	Pre-lab Quiz due Nov 1 at noon
Week 8 Nov 8 - 9	7AB	Aspirin Parts A&B	Pre-lab Quiz due Nov 8 at noon
Week 9 Nov 15 - 16	7C, 8	Aspirin Part C and Base Catalyzed Aldol Condensation	Pre-lab Quiz due Nov 15 at noon
Week 10 Nov 22 - 23		<i>No labs due to Thanksgiving Break week</i>	-
Week 11 Nov 29 - 30	9	Diels-Alder Reaction	Pre-lab Quiz due Nov 29 at noon
Week 12 Dec 6 - 7		<i>Lab Final Exam</i> (in person in the lab room)	Final Exam (tests knowledge of labs 1-9)

Day of Lab:

Be sure to bring:

- Printed lab instructions & lab-report sheets from Blackboard (every single page, single-sided print preferred).
- Lab goggles
- Appropriate shoes and clothing (see below)

Lab report sheets and lab instructions:

Bring the printed lab instructions & lab-report to lab with you SINGLE-SIDED print please. Be sure to bring ALL pages of the report sheet including the instructions.

There will be a 10% deduction of the week's lab if you don't bring the print-out and we have to provide you with a copy.

Lab Goggles:

No goggles – no lab! No exceptions! Failure to bring goggles will result in exclusion from that week's lab and will count as one absence.

Appropriate shoes and clothing for lab:

Shoes must cover the entire foot. Sandals (with or without socks), flip flops, open-backed clogs and bare feet are not allowed.

Upper body clothing must cover the torso and the upper arm area. Muscle shirts and tops with spaghetti straps, crop-tops, bare midriffs, or exposed shoulders are not appropriate. T-shirts are a good choice for minimal exposure.

Lower body clothing must cover the entire leg. Jeans are a good choice and full-length skirts are allowed. Failure to comply with the lab clothing policy will result in exclusion from that week's lab and will count as one absence.

Absence Policy

- 1) One absence – Weight of experiment is added to the final exam
- 2) Two absences – Weight of one experiment is added to the final exam, a score of zero is given for the other missed experiment
- 3) Three absences – Failing grade for the course

Tardiness Policy

A tardiness of more than 10 minutes will result in exclusion from that week's lab and will count as one absence. Please make sure you are on time!