CHEM 332
Organic Chemistry Lab II
FALL 2013

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Recitation: Monday, 2:30 pm-3:20 pm; MG1099
Lab: Wednesday, 2:30 pm-5:20 pm; MG1040

Office Hours
Tuesdays and Thursdays; 2-4 pm. Fridays; 9-11 am. Appointments can be made for times outside of office hours.

Course Description
Exploratory mechanistic and synthetic chemistry based on NMR and IR spectroscopy and modern synthetic methods.

Textbook
Padías. *Making the Connections,* 2th edition, Hayden McNeil, 2011.

Expected Behavior
CHEM 332 students are expected to abide by the student conduct code, available online at the following address; http://saffairs.truman.edu/studentconductcode.asp. Electronic devices that disrupt the class will not be tolerated. Communication devices shall be placed in quiet/vibrate mode or switched off. Phone calls shall not be placed or taken in class. Those who violate these rules will be required to leave the classroom.

Academic Dishonesty Policy
Students are expected to abide by the academic dishonesty and academic integrity policies established by Truman State University. Please see the following website for information regarding these policies; http://conduct.truman.edu.

Grading

Pre-lab quiz	15%
Lab reports	40%
Products	10%
Midterm and Final	25%
Subjective evaluation	10%

Grading Scale

Final %	Letter Grade
90-100%	A
80-89%	B
70-79%	C
60-69%	D
<60%	F

Final grades will be rounded up to the nearest whole number when the fractional value is greater than or equal to 0.5. For example, 89.5% would round to 90%. Final grades may be scaled, depending on the grade distribution.

Disabilities

Please let Dr. Adams know as soon as possible if you have any special requirements in order to take this class. A note from the Disability Services office will be provided to Dr. Adams for special circumstances.

Absences/ Makeup Policy

It is important that you attend every lab session and recitation. If you know in advance that you will miss a lab, please let me know as soon as possible so that we can make arrangements for you to make it up. A valid excuse for missing the lab or recitation must be provided. Valid excuses include the following, as well as those approved by Dr. Adams;

1) Absence due to a University sanctioned event. A written excuse will be required for this type of event. University sanctioned events are those activities in which students participate as recognized representatives of Truman State University and that are usually associated with academic credit or university funding. Examples of such activities are orchestral performances and intercollegiate athletics competitions. Most student organization activities do not fall into this category.

2) Personal absence. Personal absences are those absences that result from emergencies, illnesses, and other personal activities such as religious observances and most student organization activities.

Lab Rules

Notebook: You will use a bound notebook with carbon copies to perform laboratory experiments. You will record all of your laboratory methods, data, and calculations in the notebook. Enough detail should be provided so that someone else could follow your notes and be able to understand the logic behind the experiment, as well as how to perform the experiment effectively. Carbon copies will be turned in for grading.

Lab Preparation: The handouts available on chemlab.truman.edu, as well as your textbook, are not allowed in the lab. You should have all the information needed to perform the experiment written in you notebook prior to arriving in the lab.

Lab Report: The lab reports that you turn in will consist of your lab preparation notes, data and calculations, and conclusions that should address expected versus actual outcomes as well as answers to any questions brought up by the lab. The write up will be recorded in the lab notebook. Lab reports are due at the following recitation, or the next lab period if there is no recitation.

Quizzes: A quiz will take place at the beginning of recitation. The quiz will be on the basics of the laboratory to be performed that week. If you have read the handout and prepared your notebook, you will do fine.

Cleanliness: Please be sure to keep your area clean, as well as your lab materials. The lab area should be as clean or cleaner when you leave than it was when you arrived.

Laboratory Safety/Attire

Students will follow the safety procedures as outlined on the lab page found at the following link; http://chemlab.truman.edu/Safety_Files/LabSafety.asp. Students are required to wear pants/skirts that cover the legs fully, and closed-toed shoes that cover the whole foot. Lab coats are optional, but do provide protection to clothing as well as increased protection to the body. Students are also required to wear laboratory safety goggles at all times when working in the laboratory.

Class schedule

DATE	DAY	DESCRIPTION	Padías
26-Aug	M	No Class	
28-Aug	W	check in	1-13
2-Sep	M	Labor Day- No Class	
4-Sep	W	Carbonyl Unknowns (Instrumentation)	77-101
9-Sep	M	recitation	
11-Sep	W	Multistep Synthesis (pt 1)	
16-Sep	M	recitation	
18-Sep	W	Carbonyl Unknowns (reagents)	
23-Sep	M	recitation	
25-Sep	W	Carbonyl Unknowns (reagents)	
30-Sep	M	recitation	
2-Oct	W	Multistep Synthesis (pt 2)	
7-Oct	M	Mid-Term Exam	
9-Oct	W	Mid-Term Break- No lab	
14-Oct	M	recitation	
16-Oct	W	Grignard (pt 1)	32-35
21-Oct	M	recitation	
23-Oct	W	Grignard (pt 2)	
28-Oct	M	recitation	
30-Oct	W	Multistep synthesis (pt 3)	
4-Nov	M	recitation	
6-Nov	W	Luminol Synthesis	
11-Nov	M	recitation	
13-Nov	W	Luminol chemilum/ TPCP aldol	
18-Nov	M	Final Exam	
20-Nov	W	make-up day/check out	