University of North Texas at Dallas
FALL 2016
SYLLABUS

CHEM3210: Organic Chemistry Lab, 1 credit hour

Department of	Life & Health Sciences	Division of	Liberal Arts and Life Sciences

Instructor Name:	Dr. Muhammed Yousufuddin
Office Location:	DAL2 252
Office Phone:	972-338-1528
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Office Hours:	**T: 9-10 am, 1 - 3 pm** **W: 3:30-5:30 pm** **Th: 9-10 am** DAL2 252

Classroom Location:	DAL2 248
Class Meeting Days & Times:	**Laboratory meets T 5:30-8:20 PM**

Course Catalog Description:	**Separations and Synthesis. Organic preparations; techniques of recrystallization, distillation, solvent extraction, separation of mixtures, chromatography and spectroscopic methods.**

Prerequisites:	**CHEM 1410, CHEM 1420, CHEM 1430, CHEM 1440 or equivalent**
Co-requisites:	**CHEM 2370**

Required Text and References:	**Organic Chemistry Laboratory (Steven F. Pederson/Arlon M. Myers, customized manual for UNT Dallas)**

Access to Learning Resources:	UNT Dallas Library: phone: (972) 780-3625; web: http://www.unt.edu/unt-dallas/library.htm UNT Dallas Bookstore: phone: (972) 780-3652; e-mail: 1012mgr@fheg.follett.com

Course Objectives: At the end of the course, the student will be able to	
1.	Demonstrate proficiency in basic chemical laboratory techniques.
2.	Be able to work safely with laboratory glassware, equipment and chemicals
3.	Demonstrate ability to accurately recording data and observations, and to summarize and interpret experimental results.

Course Outline

Tentative laboratory experiment schedule is given below. Any changes to this schedule will be announced in class and on Blackboard as soon as possible.

TOPICS	TIMELINE
No Lab	8/23
Lab Safety	8/30
Experiment 1: Calibrating a Pasteur Pipette	9/6
Experiment 2: Investigating Solubility and Acid-Base Reactions	9/13
Experiment 3: Mixed Melting Points	9/20
Experiment 4: Identifying Unknown	9/27
Experiment 5: Recrystallization and Melting Points	10/4
No Lab	10/11
Experiment 7: Thin Layer Chromatography	10/18
Experiment 8: Identification of Adulterated Herb	10/25
Experiment 9: What do you take for pain?	11/1
Experiment 10: Nucleophilic Substitution Reaction	11/08
Experiment 14: The Grignard Reaction (**Practical**)	11/15

Course Evaluation Methods

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

Lab Reports: Data sheets where students record data and observations, perform necessary calculations and answer any discussion questions.
Practical: Students will perform experiments and calculations on their own for an individual grade.

Grading Matrix:

Instrument	Value (points or percentages)	Total
Lab Reports	10 lab reports	50%
Practical		50%
Total:		**100%**

Letter Grade Determination: Final grade percentages will be rounded to the nearest whole number and letter grades assigned using the scale below as a guideline

A = 90% or better
B = 80 – 89 %
C = 70 – 79 %
D = 60 – 69 %
F = <60%

University Policies and Procedures

Students with Disabilities (ADA Compliance):
The University of North Texas Dallas faculty is committed to complying with the Americans with Disabilities Act (ADA). Students' with documented disabilities are responsible for informing faculty of their needs for reasonable accommodations and providing written authorized documentation. Grades assigned before an accommodation is provided will not be changed as accommodations are not retroactive. For more information, you may visit the Student Life Office, Suite 200, Founder's Hall.

Student Evaluation of Teaching Effectiveness Policy:
The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class.

Assignment Policy:
Experiments in the lab will be conducted in groups of 2-3 students. Collaboration between group members (and/or between different groups) is limited to performing the procedures and recording observations and data. **Students are expected to interpret data, perform calculations and answer discussion questions on an individual basis.**

Lab Reports are due the week after the procedures and data collection for an experiment are complete. In cases where data must be shared between groups, this deadline may be extended. Late lab reports will have points deducted as follows:

1-7 days: 1%/day
>1 week: 10%/week

Academic Integrity:
Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of Academic Integrity policy. Any person suspected of academic dishonesty (i.e., cheating or plagiarism) will be handled in accordance with the University's policies and procedures. Refer to the Student Code of Academic Integrity at http://www.unt.edu/unt-dallas/policies/Chapter%2007%20Student%20Affairs,%20Education,%20and%20Funding/7.002%20Code%20of%20Academic_Integrity.pdf for complete provisions of this code.

Bad Weather Policy:
On those days that present severe weather and driving conditions, a decision may be made to close the campus. In case of inclement weather, call UNT Dallas Campuses main voicemail number (972) 780-3600 or search postings on the campus website www.unt.edu/dallas. Students are encouraged to update their Eagle Alert contact information, so they will receive this information automatically.

Attendance and Participation Policy:
The University attendance policy is in effect for this course. Class attendance and participation is expected because the class is designed as a shared learning experience and because essential information not in the textbook will be discussed in class. The dynamic and intensive nature of this course makes it impossible for students to make-up or to receive credit for missed classes. Attendance and participation in all class meetings is essential to the integration of course material and your ability to demonstrate proficiency. Students are responsible to notify the instructor if they are missing class and for what reason. Students are also responsible to make up any work covered in class. It is recommended that each student coordinate with a student colleague to obtain a copy of the class notes, if they are absent.

****Due to safety, preparation, and scheduling issues, there are no planned make-up periods. If you miss one lab (or one lab quiz), it will count as a drop. If you have additional excusable absences (due to illness, death of a close family member or friend, jury duty, pre-planned official university activity, etc.), the instructor MAY make arrangements for a makeup. Otherwise, a missed laboratory will result in a zero for that experiment.****

Diversity/Tolerance Policy:
Students are encouraged to contribute their perspectives and insights to class discussions. However, offensive & inappropriate language (swearing) and remarks offensive to others of particular nationalities, ethnic groups, sexual preferences, religious groups, genders, or other ascribed statuses will not be tolerated. Disruptions which violate the Code of Student Conduct will be referred to the Office of Student Life as the instructor deems appropriate.

Communication
I will use Blackboard to post homework assignments, answer keys and supplemental information. I may also email the class occasionally, so please check your university email regularly. If you prefer emails be sent to a non-university account, let me know.

Grade of "Incomplete"
If a student is unable to complete the course due to extenuating circumstances, a grade an incomplete grade "I" may be assigned: The student must have attended class regular up to November 13^{h} with a passing grade and arrangements must be made with me before the end of the semester. Also note the University will automatically change a grade of "I" to an "F" at the end of the next term, so the missed work must be made up before that time.