CHE 253 Winter 2018

Organic Chemistry II 3 credits

Prerequisite: CHE251

Class Information		Instructor Information			
Days	WF	**Lecture Instructor**	Liza Abraham PhD	**First day of classes:**	Thur., Jan. 4, 2018
Time:	2:30-3:45	**Lab Instructor**	Daniel Liebert	**Last day to add/drop, or change to audit:**	Sun, Jan.14th , 2018
Room:	A 2212	**Email**	labraham@ambrose.edu Dlibert @ambrose.edu	**Last day to request revised exam:**	Mon.,Mar 5, 2018
Lab/Tutorial:	Th: 8-11	**Phone:**	403-410-2000 ext.6921	**Last day to withdraw from course:**	Friday, March 16, 2018
FINAL EXAM: Tuesday 17 April 9:00 am in A2141		**Office:**	A2160	**Last day to apply for time extension for coursework:**	Mon., Mar. 26, 2018
		Office Hrs.:	W/F: 9:00-10:00; 1:00-2:00 M: 9:00-2:00 T/R:9:00-11:00	**Last day of classes:**	Wed, April 11, 2018

Textbook: ***Carey, Organic Chemistry, 9e***

Topics include Electrophilic Addition Reactions, Aromaticity, Electrophilic Aromatic Substitution, Radical Chemistry, Nucleophilic Addition Reactions, Nucleophilic Substitution Reactions, Enolate Chemistry, and Synthesis

Requirements:

LABORATORY SAFETY COURSE: All students are **required to complete a safety course on chemistry laboratory safety before your first laboratory session, if you haven't completed one yet.** You need to obtain a minimum of 80% to pass this course. Read the information provided in the PowerPoint presentation there, watch the video and complete the quiz and hand it in to the Lab Instructor in your first tutorial.

LAB COMPONENT (25%): There are five labs to perform; three of them require filling in worksheets and two of them to submit formal lab reports. Each lab is out of 20 marks. Refer to the lab manual on Moodle for details.

TUTORIAL Quizzes (15%):

Labs and Tutorials run on alternating weeks. During each tutorial, students work collaboratively in groups of 3 or 4 on a series of problems before writing an individual quiz. There will be six tutorial quizzes.

ASSIGNMENT (10%):

There will be four assignments based on each topic covered in class. The assignments will be posted on Moodle at the beginning of a new topic. It will be due on the Monday after we finish that topic. You are encouraged to work along as we progress in each topic and by the time we finish the topic you will be ready to complete the assignment.

TERM TEST (15%):
There will be one term test. It will include all the topics covered before the day of the exam. It will include topics related to the lab.
FINAL EXAM (35%):
Final Exam will be cumulative so what will be learned at the start of the course will be continually applied throughout the term.

There will be six to seven tutorial quizzes, four assignments, one term test, one final exam, and five laboratory reports (two formal reports and three work sheets). Tutorial activities, assignments, and experiments will all help you to prepare for Term Tests and Final Examinations. Examinations are a combination of multiple choices, short written answer questions. During exams students are allowed to bring only pencils, pens, erasers, model kits, their ID card, and ***non-programmable calculators.***

Attendance:
Class participation is extremely important to your learning in this course. If you miss any class please make sure to complete the notes from your peers.

Student Conduct

It is expected that students will take an active role in the learning process. This includes: (a) regular class attendance, (b) reading course material in advance of class, and (c) engaging in discussions during class. In respect to the professor and to your fellow students, we ask that you:

1. Turn your phone off during class and lab that you don't use it for texting during lecture
2. Not have conversations with the people beside you during lecture, lab and tutorial – it is very distracting to the people around you
3. Use your laptops for lecture material and assignments only – that you are not using the internet or facebook during class time.
4. Arrive to lecture, lab and tutorial on time

These will help to maximize the learning experience for you and your fellow students (and will keep your professor in a good mood). In the event of the violation of any of these rules, the professor has the right to ask a student to leave the classroom.

Grade Summary:
The available letters for course grades are as follows:

Letter Grade	Description
A+	
A	Excellent
A-	
B+	
B	Good
B-	
C+	
C	Satisfactory
C-	
D+	
D	Minimal Pass
F	Failure

In determining the overall grade in the course the following weights will be used:

Laboratory Experiments	25%
Tutorial Quizzes	15%
Term Test	15%
Assignments	10%
Final Examination	35%

A mark of less than 50% in the laboratory component and/or on the weighted average of the midterm and final examinations will result in a final grade of no greater than D. Completion and submission of reports for fewer than three laboratory experiments will result in a final grade of no greater than D. A grade of D does not satisfy the pre-requisite requirements for further chemistry courses or admission to programs in Biological Sciences.

Grading Scale:

A+	A	A-	B+	B	B-
95% - 100%	**87% - 94.99%**	**82% - 86.99%**	**77% - 81.99%**	**72% -76.99%**	**66% - 71.99%**

C+	C	C-	D+	D	F
62% - 65.99%	**58% - 61.99%**	**54% - 57.99%**	**50% - 53.99%**	**45% - 49.99%**	**< 44.99%**

Because of the nature of the Alpha 4.00 system, there can be no uniform College-wide conversion scale. The relationship between raw scores (e.g. percentages) and the resultant letter grade will depend on the nature of the course and the instructor's assessment of the level of each class, compared to similar classes taught previously. Please note that final grades will be available on student registration system. Printed grade sheets are not mailed out.

Academic Accommodation:

Ambrose University is committed to ensuring that each student is afforded an academic environment that has been developed on the principles of equal and equitable access, respect for individual differences, and academic integrity. Accessibility and Support Services offers services to students with documented disabilities including learning disabilities, chronic health issues, hearing and visual impairment, disabilities and temporary impairment due to accident, illness or injury. It is the student's responsibility to contact the Accessibility and Support Services office to request academic accommodation. The nature and type of academic accommodations vary from student to student and are dependent upon the student's disability and the academic requirements.

If you are a student with a documented disability who may require academic accommodation and have not registered with Student Accessibility and Support Services, please contact their office at accessibility@ambrose.edu or (403) 410-2000 ext. 2956. Students who have not registered with Student Accessibility Services are not eligible for formal academic accommodation. For additional information on support services and accommodations for students with disabilities, visit: https://ambrose.edu/student_life/accessibility-and-support-services

Course Schedule: (Tentative Lecture / Tutorial / Laboratory Schedule)

Week of	Lecture	Tutorial	Lab
Jan. 1	Introduction to the course Electrophilic Addition reactions	No tutorial	No Lab
Jan 8	Electrophilic Addition reactions	No Tutorial	**Lab 1**: Chromatography (Full Lab Report)
Jan 15	Electrophilic Addition Reactions	**Tutorial 1/Quiz 1**	**No Lab**
Jan 22	Aromaticity	**No Tutorial**	**No Lab**
Jan 29	Electrophilic Aromatic substitution	**No Tutorial**	Lab 2: Bromination of stilbene
Feb 5	Electrophilic Aromatic substitution	**Tutorial 2/Quiz 2**	**No Lab**
Feb 12	Radical chemistry	**No Tutorial**	**Lab 3: Reduction and Selectivity using Sodium borohydride (full report)**
Feb 19	Feb.19 Family day; **No classes** Feb 20-24 Winter break **No classes**	**No Tutorial**	**No Lab**
Feb 26	Nucleophilic Acyl Addition	**Tutorial 3/Quiz3**	**No Lab**
March 5	Nucleophilic Acyl Addition	**No Tutorial**	Lab 4: Preparation of Dibenzalacetone
March 12	Nucleophilic Acyl substitution Term Test Review	**Term Test** **Tutorial Time**	**No Lab**
March 19	Nucleophilic Acyl substitution	**Tutorial 4/Quiz 4**	
March 26	Enolate Chemistry March 30 Good Friday **No class** April 2, Easter Monday **No class**	No Tutorial	Lab 5
April 2	Enolate Chemistry **April 4, Wednesday, ARC**	**Tutorial 5/Quiz 5**	No Lab
April 9	Synthesis Assignment	**Final Exam Review**	No Lab

	Wednesday, April 13 Last day of Class:		
Final Exam	Tuesday April 17, 9:00 am	Room: A2210	

Policies:

Communication

All students have received an Ambrose e-mail account upon registration. It is the student's responsibility to check this account regularly as the Ambrose email system will be the professor's instrument for notifying students of important matters (cancelled class sessions, extensions, requested appointments, etc.) between class sessions. If students do not wish to use their Ambrose accounts, they will need to forward all messages from the Ambrose account to another personal account.

Registration

During the **Registration Revision Period** students may enter a course without permission, change the designation of any class from credit to audit and /or voluntary withdraw from a course without financial or academic penalty or record. Courses should be added or dropped on the student portal by the deadline date; please consult the List of Important Dates. After that date, the original status remains and the student is responsible for related fees.

Students intending to withdraw from a course after the Registration Revision Period must apply to the Office of the Registrar by submitting a "Request to Withdraw from a Course" form or by sending an email to the Registrar's Office by the **Withdrawal Deadline;** please consult the List of Important Dates on the my.ambrose.edu website. Students will not receive a tuition refund for courses from which they withdraw after the Registration Revision period. A grade of "W" will appear on their transcript.

Exam Scheduling

Students wishing to withdraw from a course, but who fail to do so by the applicable date, will receive the grade earned in accordance with the course syllabus. A student obliged to withdraw from a course after the Withdrawal Deadline because of health or other reasons may apply to the Registrar for special consideration.

Students, who find a conflict in their exam schedule must submit a Revised Examination Request form to the Registrar's Office by the deadline date; please consult the List of Important Dates. Requests will be considered for the following reasons only: 1) the scheduled final examination slot conflicts with another exam; 2) the student has three final exams within three consecutive exam time blocks; 3) the scheduled final exam slot conflicts with an exam at another institution; 4) extenuating circumstances. Travel is not considered a valid excuse for re-scheduling or missing a final exam.

Electronic Etiquette

Students are expected to treat their instructor, guest speakers, and fellow students with respect. It is disruptive to the learning goals of a course or seminar and disrespectful to fellow students and the instructor to use electronics for purposes unrelated to the course during a class session. Turn off all cell phones and other electronic devices during class. Laptops should be used for class-related purposes only. Do not use iPods, MP3 players, or headphones. Do not text, read, or send personal emails, go on Facebook or other social networks, search the internet, or play computer games during class. Some professors will not allow the use of any electronic devises in class. The professor has the right to disallow the student to use a laptop in future lectures and/or to ask a student to withdraw from the session if s/he does not comply with this policy. Repeat offenders will be directed to the Dean. If you are expecting communication due to an emergency, please speak with the professor before the class begins.

Academic Policies

It is the responsibility of all students to become familiar with and adhere to academic policies as stated in the Academic Calendar. Personal information (information about an individual that may be used to identify that individual) may

be required as part of taking this class. Any information collected will only be used and disclosed for the purpose for which the collection was intended. For further information contact the Privacy Compliance Officer at privacy@ambrose.edu.

Extensions

Although extensions to coursework in the semester are at the discretion of the instructor, students may not turn in coursework for evaluation after the last day of the scheduled final examination period unless they have received permission for a course Extension from the Registrar's Office. Requests for course extensions or alternative examination time must be submitted to the Registrar's Office by the deadline date; please consult the List of Important Dates. Course extensions are only granted for serious issues that arise "due to circumstances beyond the student's control."

Appeal of Grade

An appeal for change of grade on any course work must be made to the course instructor within one week of receiving notification of the grade. An appeal for change of final grade must be submitted to the Registrar's Office in writing and providing the basis for appeal within 30 days of receiving notification of the final grade, providing the basis for appeal. A review fee of $50.00 must accompany the appeal. If the appeal is sustained, the fee will be refunded.

Academic Integrity

We are committed to fostering personal integrity and will not overlook breaches of integrity such as plagiarism and cheating. Academic dishonesty is taken seriously at Ambrose University as it undermines our academic standards and affects the integrity of each member of our learning community. Any attempt to obtain credit for academic work through fraudulent, deceptive, or dishonest means is academic dishonesty. Plagiarism involves presenting someone else's ideas, words, or work as one's own. Plagiarism is fraud and theft, but plagiarism can also occur by accident when a student fails or forgets to acknowledge to another person's ideas or words. Plagiarism and cheating can result in a failing grade for an assignment, for the course, or immediate dismissal from the university college. Students are expected to be familiar with the policies in the current Academic Calendar that deal with plagiarism, cheating, and the penalties and procedures for dealing with these matters. All cases of academic dishonesty are reported to the Academic Dean and become part of the student's permanent record.

Note: Students are strongly advised to retain this syllabus for their records.