

Organic Chemistry I – CHM 241, Spring 2018
Lecture meets: TTh 12:30 PM – 1:45 PM Room AA-0345.
Northern Virginia Community College, Alexandria Campus

Instructor: Dr. Monica Feazell **Office:** Room 352, Bisdorf Building **Phone:** 703-845-4627
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Office Hours (AA 352):

M 10:45 am – 2 pm, and 3:15 pm – 5 pm
T 10:45 am – 12 pm
W 1:30 pm – 2 pm, and 3:15 pm – 5 pm
Th 1:30 pm – 3 pm (from 1:30 to 3 pm, only by appointment)

Text : *Recommended: Organic Chemistry by Klein, Second Edition*, ISBN 9781118454312, *Recommended: Organic Chemistry as a Second Language: First Semester Topics*, 3rd edition, David Klein, ISBN 978-1118010402.

Course Description Introduces the fundamentals of the chemistry of carbon compounds, including structures, physical properties, synthesis, and typical reactions. The course emphasizes reaction mechanisms. The first semester of this sequential course covers the chemistry of hydrocarbons (alkanes, alkenes, alkynes), alkyl halides and alcohols.

Course Objectives Upon completion of the course students will be able to:

- Apply bonding concepts, molecular architecture, and isomerism to the general aspects of organic structures
- Use acid-base theory, electronic effects, and steric effects to correlate chemical reactivity and molecular structure
- Identify oxidation, reduction, addition, substitution, elimination, rearrangement and cyclization reactions in the various organic reaction processes and mechanisms
- Give detailed consideration to specific classes of organic compounds and their types of reactions (such as alkanes, alkenes, alkynes, and alkyl halides)
- Complete challenging sequence syntheses of the specific classes of compounds included in above
- Give to IUPAC and common names of the classes of compounds given in above as including stereochemical assignments.

Grading scale:

400 points exams (5 exams drop the lowest grade, 4 total)
110 points blackboard quizzes (13 quizzes drop the two lowest grades, 11 total)
50 points pre-lecture assignments (12 assignments drop the lowest grade, 10 total)
100 points mandatory and cumulative Final Exam
660 points total

Points	Grade
594 or more	A
Between 528 and 593	B
Between 462 and 527	C
Between 396 and 461	D
395 or lower	F

Exams: There will be five exams worth 100 points each. If you fail to attend class during an exam, *for any and all reasons*, your exam score will be a zero. I will accommodate requests for early exams **when possible**. No one will be allowed to take an exam late, please do not ask. The lowest exam grade will be dropped.

Blackboard quizzes: online quizzes will be given. The two lowest grades will be dropped. There will be no make-up quizzes. Each quiz will be worth 10 points. The due dates will be posted on blackboard, please check it regularly. The quizzes will be available one week before their due date. Since these quizzes will be in the form of a blackboard quiz, no late quizzes will be accepted. The deadline is posted in the syllabus (the students should take the quiz by 11:59 PM the day before class).

- There are no make-up quizzes. The lowest two grades will be dropped.
- The quizzes are designed to be taken in 60 minutes, if you leave the quiz and go back, the time will still be running and once the 60 minutes have passed, you won't be able to access the quiz anymore.
- There will be only one chance to submit your answer, so please make sure that you are 100% sure before submitting it.

- There will not be backtracking for any of the quizzes. This means that you won't be able to go back to any question and change your answer once you have submitted it.

Pre-Lecture assignment: A series of pre-lecture assignments will be posted on blackboard. These assignments are designed to review the chapter material before the lecture. Each assignment will be worth 5 points and the lowest two grades will be dropped. The due dates will be posted on blackboard, please check it regularly. The prelectures will be available one week before their due date. Since these prelectures will be in the form of a blackboard quiz, no late prelectures will be accepted. The deadline is posted in the syllabus (the students should take the prelecture by 11:59 PM the day before class).

- There are no late prelectures. The lowest grade will be dropped.
- The prelectures are designed to be taken in 20 minutes, if you leave the quiz and go back, the time will still be running and once the 20 minutes have passed, you won't be able to access the quiz anymore.
- There will be only one chance to submit your answer, so please make sure that you are 100% sure before submitting it.
- There will not be backtracking for any of the quizzes. This means that you won't be able to go back to any question and change your answer once you have submitted it.

Final exam: The closed book comprehensive final examination will consist of all the material covered in the class and is mandatory. This final exam accounts for 100 points and will be administered during the final exam week.

There will be no formal 'curving' of the grades. However, I reserve the right to alter the above grade assignment to reflect student/class achievement more accurately and fairly. Please remember that grades represent the accumulation of performance during the semester, not your potential as a person or a student. Grades are not negotiable. Once I hand back a graded quiz/exam, the student will have 5 business days to review for any errors in the grading process, passed those days the grade stands.

Last Day to Drop with Tuition Refund or change to audit – 01/29/2018

Last Day to withdraw from the course without grade penalty- 03/31/2018

Audits, Withdrawals & Incompletes Audits may be granted by special permission during the first week of the semester only. Past the withdrawal deadline, a student must fill out an Add/Drop form and submit a written petition with supporting documentation to the instructor. Performing poorly is not a valid reason for withdrawing after the deadline. If the petition is not granted or not submitted, the student will be given a grade based on the work completed to that point. Incompletes must be approved by the division dean and are granted to students who encounter unforeseeable, documentable, dire circumstances and have completed at least 75% of the course work with a passing grade.

Course Materials and Communication All course material (homework assignments, worksheets and other course documents) will be available on Blackboard. Please check Blackboard regularly for announcements and postings. You are also responsible for checking your VCCS email on a regular basis. Please use your VCCS email to correspond with me. Faculty are not permitted to discuss grade information over non-VCCS accounts. If the school or I cancel class, check Blackboard for instructions.

Attendance:

Regular attendance in the lecture is expected and encouraged, though not required. If you miss a class, you are responsible for the material covered during that class. A sign in sheet will be provided during each class for administrative purposes.

Classroom Behavior Please be respectful of other students learning in the classroom. Arrive to class on time; if you happen to be late, please enter the classroom without causing a disturbance. Chronic lateness is not acceptable. Turn off all electronic equipment (cell phones, ipods, laptops, etc.) when in class. You may leave the cell phone/pager on vibrate mode if you are expecting an important phone call and attend the call by excusing yourself quietly. If you need to leave early, please let me know and sit by the door. I reserve the right to ask you to leave the room if I decide that you are a distraction to others in the class.

Academic Integrity Cheating on an exam or quiz will result in an immediate zero that cannot be dropped. Cheating includes having any type of notes on your desk or person during an exam or quiz, looking at another student's paper and any attempt to give or receive information on an exam or quiz which will result in both of students getting zeros. A second attempt at cheating will result in an automatic F for the course.

Accommodations Please notify me at the beginning of the semester of any special needs or accommodations. Students requiring accommodations for a disability must see the disabilities office in AA194 and provide a Memorandum of Accommodation. Accommodations will be given once I receive the memorandum from student's services.

How to do well in this class:

- This class is time consuming – make sure you have enough time in your schedule to do well in this class. If you have a full-time job, and family responsibilities, and are taking several upper level sciences – now may not be the best time to take Organic! *Do not take this class unless you have 10 hours in your weekly schedule that you can devote to studying organic.*
- Do the assigned reading before you come to class. This will help you better absorb the lecture.
- Ask questions! – in class, in my office hours, in the help room, over email. If you are having trouble with the material ask questions and talk to me immediately – don't wait until after the first exam! If you feel so lost in lecture that you don't even know what questions to ask, you need to see me as soon as possible and make sure you are reading the book before lecture.

- Pace your studying and don't fall behind. Do all of the homework, do all of the worksheets and read/review the material on a regular basis. The key to doing well is practice, practice, practice – you will get out what you put in.
- Don't over-rely on the solutions guide. Go back over every question that you got wrong or needed a hint on.
- Form study groups. Students who study alone often perform below their potential.

The time to be concerned about your grade is now and every day after today. Do NOT wait until the last week of the semester to start thinking about how you can improve in the course.

Testing Procedures:

Your cell phone must be turned off (vibrate is not ok) before the exam begins. If your cell phone is visible or you are caught looking at your cell phone at any time during a test, it will be assumed that you are cheating. Your test will be taken away and you will get a zero. If a cell phone, ipad, computer, etc. makes any noise during an exam, I will deduct points. All bags, bulky jackets and papers must be placed under the chair before you begin the exam. Take out extra pens, tissues, and anything else you might need before beginning your exam. You will not be allowed to access your bag during the test. You may not leave the room once the exam has started. If you leave the room after the exam has started, it will be assumed that you have finished the exam and your exam will be taken away. You must have your own calculator. If you have a graphing calculator, you may be asked to clear the memory before exams. The instructor reserves the right to assign you a seat or move your seat in the middle of an exam.

Tentative Schedule:

Date	Lecture	Quiz Due/PreLecture due/Exam
01/11	Ch. 1	PreLecture Ch. 1 Due in blackboard (prelecture due 01/14, 11:59 PM)
01/16	Ch. 1	Syllabus quiz Due in blackboard (01/15, 11:59PM)
01/18	Ch. 2	PreLecture Ch. 2 Due in blackboard (01/17, 11:59 PM)
01/23	Ch. 2	
01/25	Ch. 3	PreLecture Ch. 3 Due in blackboard (01/24, 11:59 PM) Quiz Ch. 1 Due in blackboard (01/24, 11:59 PM) Quiz Ch. 2 Due in blackboard (01/24, 11:59 PM)
01/30	Ch. 3 / Ch. 4	PreLecture Ch. 4 Due in blackboard (01/29, 11:59 PM)
02/01	Exam 1 (Ch. 1, Ch. 2, and Ch. 3) Quiz Ch. 3 Due in blackboard (01/31, 11:59 PM)	
02/06	Ch. 4	
02/08	Ch. 4	
02/13	Ch. 5	PreLecture Ch. 5 Due in blackboard (02/12, 11:59 PM)
02/15	Ch. 5	Quiz Ch. 4 Due in blackboard (02/14, 11:59 PM)
02/20	Ch. 5 / Ch. 6	PreLecture Ch. 6 Due in blackboard (02/19, 11:59 PM)
02/22	Ch. 6 / Ch. 7	PreLecture Ch. 7 Due in blackboard (02/21, 11:59 PM) Quiz Ch. 5 Due in blackboard (02/21, 11:59 PM)
02/27	Exam 2 (Ch. 4, Ch. 5, and Ch. 6) Quiz Ch. 6 Due in blackboard (02/26, 11:59 PM)	
03/01	Ch. 7	
03/06	Ch. 8	PreLecture Ch. 8 Due in blackboard (03/05, 11:59 PM) Quiz Ch. 7 Due in blackboard (03/05, 11:59 PM)
03/08	Ch. 8	
03/13	No class (Spring Break)	
03/15	No class (Spring Break)	
03/20	Ch. 8 / Ch. 9	PreLecture Ch. 9 Due in blackboard (03/19, 11:59 PM)
03/22	Ch. 9	
03/27	Exam 3 (Ch. 7, and Ch. 8) Quiz Ch. 8 Due in blackboard (03/26, 11:59 PM)	
03/29	Ch. 9	
04/03	Ch. 10	PreLecture Ch. 10 Due in blackboard (04/02, 11:59 PM) Quiz Ch. 9 Due in blackboard (04/02, 11:59 PM)
04/05	Ch. 10	
04/10	Ch. 13	PreLecture Ch. 13 Due in blackboard (04/09, 11:59 PM)
04/12	Exam 4 (Ch. 9, and Ch. 10) Quiz Ch. 10 Due in blackboard (04/11, 11:59 PM)	
04/17	Ch. 13	
04/19	Ch. 14	PreLecture Ch. 14 Due in blackboard (04/18, 11:59 PM)
04/24	Ch. 14	Quiz Ch. 13 Due in blackboard (04/16, 11:59 PM)
04/26	Exam 5 (Ch. 13, and Ch. 14) Quiz Ch. 14 Due in blackboard (04/25, 11:59 PM)	
05/01	TBD	
05/03	TBD	
05/08	TBD	

This syllabus is meant to give an outline of the course. Specifics are subject to change with prior notification.