Introductory Organic Chemistry
Chem 042 (61490) /044 (61523)
Summer 2018

I. Lecture

Lecturer: Alan Chant, Ph.D.

Office: 106 Hills Bld.

Email: achant@uvm.edu

Office Hours:
12:00 PM – 1:00 PM
(Mon/Wed/Thur)
or by appointment

Phone: 802-656-0283

Lecture Time:
9:00 AM – 12:00 PM
(Mon/Tue/Wed/Thur/Fri)

Location: Given C C443

Lecture: The lecture each week will primarily involve covering material from the assigned textbook and will include going over problems and worksheets. Included in this syllabus is a tentative schedule outlining lecture dates/times, text material and suggested problems sets. After each lecture, I will post my lecture notes on Blackboard. You are expected to come prepared and on time and to stay until the lecture has finished.

Required Supplies:

1) **Textbook:** Introduction to Organic Chemistry (author: Hart) – (ISBN: 1305282620 Ed. 13) – (Cengage). You can purchase this book from the UVM bookstore.
2) Lab manual (provided as a PDF on Blackboard).
3) Lab notebook and safety glasses.

Recommended: Molecular Structure Model Kit - available at the UVM bookstore.

Problem Sets:

You are encouraged to attempt all of the problems given in class for both the worksheets and homework.

Communications: I will be using Blackboard to post important announcements. I will also be using this platform to post additional course resources and grades.

Teaching Assistants' Office Hours: A TA will be conducting office hours at various times throughout the week. The schedule will be available from your TA. You may utilize this time to get help with both lab- and lecture-related questions.

Exams: Mid-term exams are scheduled for each Monday from 1:00 – 3:45 PM in W211/W213 in Discovery Hall. There are no make-up dates. A zero grade as a result of the missed exam will be used as the dropped grade when appropriate when determining final grades. Only non-programmable calculators are permitted during exams. It is the responsibility of each student to bring their own non-programmable calculator to the exam. Calculators may not be shared. No other electronic devices, including laptops, cell phones, MP3 players, iPods, etc., are allowed. Students caught using any electronic device other then a non-programmable calculator will receive a zero for the exam.

Exam Dates:

Exam 1: 25th June (Monday from 1:00 – 3:45 PM in W211/W213 in Discovery Hall)
Exam 2: 2nd July (Monday from 1:00 – 3:45 PM in W211/W213 in Discovery Hall)
Exam 3: 9th July (Monday from 1:00 – 3:45 PM in W211/W213 in Discovery Hall)
Final Exam: 13th July (Friday from 9:00 AM – 12:00 PM in Given C C443) (comprehensive).

II. Laboratory

Lab: Labs start the week of June 18th and will be on, Wednesday, Thursday and Friday of each week - from 1:00 - 3:45 PM. The lab is located in the new chemistry building (Discovery Hall), room W211 or W213 (you will be assigned a room on the first day of lab). A complete schedule and lab guidelines are included in the lab manual that will be provided to you (see Blackboard – Lab materials).

You will be required to turn up on Monday June 18th from 1:00 - 3:45 PM for 'lab check-in' and 'safety review'.

See 'Experimental Lab schedule' shown below

Online Lab Safety Quiz: Prior to the lab sessions beginning, students must read through Lab Safety documentation and take a one-time online quiz before being allowed into their lab session. Just click the “Lab Safety” link on the left hand side of the Intro Organic Chemistry BlackBoard page and follow the instructions. Students must score an 80 or better on the quiz to be admitted to lab. If you choose, you may take the Lab Safety quiz as many times as you want in order to maximize this score, as it will also count as your first lab quiz grade.

Summer 2018 Chemistry 42 Intro Organic Chemistry Experiment Schedule

Week 1	**Lab Activities**	**Work Due**
Mon June 18th	Laboratory **Check-In,** Syllabus & Safety Review	
Tue June 19th		
Wed June 20th	**Experiment 1:** Alcohol Content of Wine by Distillation	Lab Safety Quiz Exp 1 Pre-lab & Quiz
Thu June 21st	**Experiment 2:** Molecular Models	Exp 1 Lab Report Exp 2 Pre-lab & Quiz
Fri June 22nd	**Experiment 3:** Analysis of Analgesics Tablets by TLC	Exp 2 Lab Report Exp 3 Pre-lab & Quiz
Week 2	**Lab Activities**	**Work Due**
Mon June 25th	**Exam 1**	
Tue June 26th		
Wed June 27th	**Experiment 4:** Extraction of an Antibiotic	Exp 3 Lab Report Exp 4 Pre-lab & Quiz
Thu June 28th	**Experiment 5:** Extraction and Recrystallization	Exp 4 Lab Report Exp 5 Pre-lab & Quiz
Fri June 29th	**Experiment 6:** Synthesis of 1-Bromobutane	Exp 5 Lab Report Exp 6 Pre-lab & Quiz
Week 3	**Lab Activities**	**Work Due**
Mon July 2nd	**Exam 2**	
Tue July 3rd		
Wed July 4th	***Holiday*** *(No labs)*	
Thu July 5th	**Experiment 7**: Alkenes by Dehydration of an Alcohol	Exp 6 Lab Report Exp 7 Pre-lab & Quiz
Fri July 6th	**Experiment 8**: Oxidation	Exp 7 Lab Report Exp 8 Pre-lab & Quiz
Week 4	**Lab Activities**	**Work Due**
Mon July 9th	**Exam 3**	
Tue July 10th		
Wed July 11th	**Experiment 9**: Production of Biodiesel	Exp 8 Lab Report Exp 9 Pre-lab & Quiz
Thu July 12th	**Experiment 10**: Polymers Laboratory **Clean-up** & Laboratory **Check-Out**	Exp 9 Lab Report Exp 10 Pre-lab & Quiz Exp 10 Lab Report
Fri July 13th	**Final Exam**	

III. Course Grade: The course grade will be based on three mid-term exams and a compulsory, cumulative final exam. Of the three mid-terms the lowest grade will be dropped. No curves are applied to the mid-semester exams and the class average for the exams may vary depending on the complexity of the material. Try your best on all the exams. Attendance is not required and zero can be considered as your lowest grade. The final exam grade will not be dropped.

Each mid-semester exam will constitute 20% of your grade, the final will constitute 25%, providing 65% of your course grade. The lab component of the course will deliver 25%. The final 10% will come from homework assignments.

3 exams (best two mid-terms (20% each) and the final (25%))	65%
Lab grade	25%
Quizzes	10%
	100

IV. Tentative Lecture schedule

We will cover all topics included in chapters 1-11. Further details will be discussed on the first day of class.

V. ACCESS Accommodations and Religious Holidays

Student Learning Accommodations Statement

In keeping with University policy, any student with a documented disability interested in utilizing accommodations should contact ACCESS, the Office of Disability Services on campus. ACCESS works with students to create reasonable and appropriate accommodations via an accommodation letter to their professors as early as possible each semester.

ACCESS Office: http://www.uvm.edu/~access/

Policy on disability certification and student support:

http://www.uvm.edu/~uvmppg/ppg/student/disability.pdf

Religious Holiday Policy Statement

Students have the right to practice the religion of their choice. If you need to miss class to observe a religious holiday, please submit the dates of your absence to me in writing by the end of the second full week of classes. You will be permitted to make up work within a mutually agreed-upon time.

Academic Integrity

As UVM students, you are expected to conduct yourself in accordance with the Codes of Academic Integrity and Student Rights and Responsibilities. Offenses against these codes are deemed serious and insult the integrity of the entire academic community. Any suspected violations of these codes are taken very seriously and will be forwarded to the Center for Student Ethics and Standards for further intervention.