

Course Instructor	Mindy Levine Beaupre Center Room 325F	mlevine@chm.uri.edu 401-874-4243
	Office hours are 11 AM-noon on Tuesdays and Thursdays, or by appointment.	
Course Meetings	Tuesdays and Thursdays in Beaupre Center Room 215. The class will meet from 9:30 AM to 10:45 AM.	
Textbook	There is no formal text for this class. Course notes, handouts, and literature articles will serve as the text.	
Course Goals	The purpose of this course is to teach how the basic principles of organic chemistry can be used in the synthesis of molecules with interesting properties. Particular attention will be given to the fields of conjugated organic polymers and protein chemistry. In each case, we will study recent advances in the field and focus on state-of-the-art organic synthesis and applications.	
Grading Scheme	There will be two one-hour exams and a final exam. These exams will cover the material discussed in class as well as readings from the text and other literature. Problem sets will be assigned periodically but will not be collected or graded. Additionally, each student will be required to write two "briefs" which summarize recent articles from journals such as <i>J. Am. Chem. Soc.</i> or <i>Org. Lett.</i> The briefs should be 3 to 5 pages long (1" margins, 12 pt. font, and 1.5 spacing), including figures. The instructor will assign the first article to be summarized. For the second brief, each student will choose an article.	
	Class attendance and participation is an integral part of this course. Students will be assigned a daily participation grade based on their attendance and contribution to the class discussion.	
	Hour Exams (2).....	40%
	Literature Briefs (2).....	30%
	Final Exam.....	30%
Course Schedule	A tentative course schedule is shown on the next page. This schedule is subject to change.	
Absentee Policy	Students must attend all exams and must turn in all briefs by their respective due dates. Exceptions will only be made in extreme circumstances	
Academic Integrity	Academic dishonesty will not be tolerated. It is an unforgivable offense. Students who have been caught cheating or misrepresenting their work will be subject to the disciplinary actions contained in the URI University Manual including failure of the assignment/exam and potentially culminating with expulsion from the University. All cases of academic dishonesty will be reported to the Dean's Office promptly. There are absolutely no exceptions to this policy under any circumstances.	

Course Schedule

Lecture	Day	Date	Subject
1	Th	9/8	Course introduction; nucleophilic substitution (PS1 and PS2)
2	T	9/13	Nucleophilic substitution II (PS3)
3	Th	9/15	Carbonyl chemistry I
4	T	9/20	Carbonyl chemistry II
5	Th	9/22	Carbonyl chemistry III
6	T	9/27	Carbonyl chemistry IV
7	Th	9/29	Carbonyl chemistry V (PS4 and PS5)
8	T	10/4	Diels Alder I
9	Th	10/6	Diels-Alder II (PS6)
10	T	10/11	Diels-Alder III (PS7)
11	Th	10/13	Chirality I
	T	10/18	Exam 1 (Covers lectures 1-10)
12	Th	10/20	Chirality II (1st literature brief due)
13	T	10/25	Chirality III (PS8)
14	Th	10/27	Organocatalysis I (PS9)
15	T	11/1	Peptides I
16	Th	11/3	Peptides II
17	T	11/8	Peptides III (PS10)
	Th	11/10	Exam 2 (covers lectures 11-17)
18	T	11/15	Mannich reaction I
19	Th	11/17	Mannich reaction II (PS11)
20	T	11/22	Olefin metathesis (PS12)
21	T	11/29	Conjugated polymers I (PS13)
22	Th	12/1	Conjugated polymers II
23	T	12/6	Heterocycles
24	Th	12/8	Course wrap-up and evaluations (2nd literature brief due) (PS14 and PS15)

FINAL EXAM THURSDAY DECEMBER 15, 2016 AT 8 AM. The final is cumulative.