# CHEM F321 Organic Chemistry I Fall 2018

CRN(s): 73258; 73259; 73260; 73261; 73262; 73263

Credits: 4 credits

Lecture: REIC 201, MWF 8:00 - 9:00 am

Lab: REIC 241, Various Times

Prerequisite: Chem F106X with grade of C or better.

Lecture Instructor: Jennifer Guerard, Ph.D.

Office: REIC 180

Office Hrs: Mon 1030 -1230 pm

Phone: (907) 474-5231 Email: jguerard@alaska.edu



Lab Instructor: Thomas Green, Ph.D.



Office: REIC 174

Office Hrs: Tues 1-3; Wed 1-2pm

Phone: (907) 474-1559 Email: tkgreen@alaska.edu

Lab syllabus TBD

**Catalog Course Description:** A systematic study of the more important functional groups of carbon compounds, including their mechanisms of reaction, methods of synthesis, and physical and spectroscopic properties. Lab portion will include an introduction to synthetic techniques and spectroscopy.

**Course Goals:** The goals of this course are to understand the fundamental concepts of bonding of organic compounds, how conformations of hydrocarbons relate to stability, basic concepts of stereochemistry, reactions and associated mechanisms of hydrocarbons, and the use of spectroscopic techniques to determine structure of organic molecules

# **Required Course Materials:**

- Textbook package sold via UAF Bookstore, includes:
  - o Joel Karty Organic Chemistry: Principles and Mechanisms 2<sup>nd</sup> ed. Norton, 2018
  - Print versions come with solutions manual study guide and it's super helpful
  - o Online Homework: Subscription to Smartwork5 (FREE!!)
- · Laboratory textbook:
  - o Anne Padias, Making the Connections: A How-to Guide for Organic Chemistry Lab Techniques, 3rd ed.
  - Lab book for recording observations (GIVEN TO YOU FOR FREE!!)
- · NON-programmable, NON-graphing scientific calculator
- Turning Technologies license AND clicker or Responseware on mobile device

#### **HIGHLY Recommended Course Materials:**

- **Workbook:** Klein, D. *Organic Chemistry as a Second Language: First Semester Topics*, 4<sup>th</sup> ed. Wiley, 2016
- Eubanks, I. Dwaine. Preparing for Your ACS Examination in Organic Chemistry: The Official Guide
- Molecular model kit my favorite is in the UAF bookstore







### **Important Dates:**

Aug. 27th: First day of class

Sept. 7th: Deadline for adding classes, late

registration, drops with no appearance on academic record

Sept 19<sup>th</sup>: EXAM I (Ch 1-4, IC A, B) Oct. 12<sup>th</sup>: EXAM II (Ch 5-7, IC E) Nov. 7<sup>th</sup>: **EXAM III (Ch 8-10, IR)** 

Nov. 2<sup>nd</sup>: Last day for withdrawal with W Nov 30<sup>th</sup>: EXAM IV (Ch 11-13, NMR)

Dec. 9<sup>th</sup>: Last day of instruction

Dec. 12<sup>th</sup>: FINAL 8-10 am
Dec. 19<sup>th</sup>: Grades Posted

## Student Learning Outcomes: At the end of this course, students should be to

- 1. Identify and draw common organic functional groups.
- 2. Name hydrocarbons, including alkanes, alkenes, alkynes, dienes and alcohols.
- 3. Apply conformational analysis of cyclohexane and associated derivatives.
- 4. Predict the reactivity of alkanes, alkenes, alkynes, dienes, and alcohols.
- 5. Know common reagents used for hydrocarbon transformation into other functional groups.
- 6. Interpret IR, NMR spectra of simple organic compounds to arrive at a structure.
- 7. Draw and interpret 3D structures of stereoisomers.
- 8. Predict and write mechanisms of reactions of hydrocarbons based on fundamental concepts of acid/base chemistry (nucleophiles and electrophiles).

**Course Structure:** The coursework will follow topics in the order described on the Tentative Schedule. The instructor will lecture using a combination of slides, whiteboard, clickers, groupwork, and worksheets, providing copies of slides to the students via Blackboard. Clickers, quizzes, homework, in-class activities, and exams will assess student understanding of concepts. Lab schedule/syllabus will be handed out during lab.

## **Evaluation and Grade Assignment:**

Smartwork5 HW:	120 points		
In class quizzes	80 points		
In class activities/clickers	50 points		
EXAM 1 (Sept 19, 2018):	100 points		
EXAM II (Oct 12, 2018):	100 points		
EXAM III (Nov 7, 2018):	100 points		
EXAM IV (Nov 30, 2018):	100 points		
Comprehensive Final:	100 points		
Total Lecture Points:	750 points		
Total Lab Points	250 points		
(scaled from lab total)			

Total Course Points: 1000 points

#### Grading:

A = 900 - 1000 points B = 800 - 899 points C = 700 - 799 points D = 600 - 699 points F = 0 - 599 points

Final Grade Rounding Policy: If cumulative final grade is within 5 points of a grade point cutoff AND final exam percentage falls into a letter grade above that from the cumulative letter grade, then final grade will be rounded up to next letter grade. Example: if total course points = 795 and final exam score is  $\geq$  80%, final grade would be rounded to B. I will not be using +/- grading.

#### **Notes and Policies:**

Smartwork5 homework (FREE!). Instructions are on Blackboard under Course Materials for Smartwork5 registration. The first assignment is due on WEDNESDAY, Sept 5<sup>th</sup> at 8:00 AM. Expect homework assignments to take *at least* a few hours each week. Late assignments are not accepted. It is important to plan accordingly in order to finish the homework by the due date. Due dates are listed in the syllabus and are due at 8:00 AM on dates shown. Homework scores will be summed from 34 required assignments, and 3 extra credit assignments (XC1 worth ½ of a homework assignment, XC2 & XC3 each worth one homework assignment). This sum out of 340 will then be scaled to out of 120 points.

Class Participation. Several in-class activities require individual responses using Turning Technologies Clickers. It is thus important to attend and bring your clicker to class every day, and in the case of absence, inform the instructor as soon as it is known, or if unexpected, within one business day. Total points earned from clickers will be normalized to 60 points, out of which only 50 will be counted, to provide a cushion in case of illness or other reasons for missed class. A maximum of 50 points will be applied to a student's grade (see point breakdown). Point opportunities may vary from day to day. It is the student's responsibility to bring the clicker/responseware-installed-device to each class, replace if lost, verify it is registered correctly on the instructor's database, and keep it supplied with fresh batteries. It is ultimately the student's responsibility to address problems with their clicker and/or check with the instructor concerning their clicks. Clicker IDs must be registered through Blackboard (http://classes.uaf.edu) by SUNDAY, Sept 9<sup>th</sup>, 11:59 PM. Directions for registering clickers are posted to Blackboard. Note: A purchased license with Turning is REQUIRED in order to be able to see your responses and properly attribute points, even if you using an older clicker.

**Exams.** No electronic devices are allowed during exams other than a non-programmable scientific calculator. Note - you must know how to use your own calculator, I cannot help you with your calculator during exams. You must turn in your exam before leaving the room. Molecular model kits are allowed during all exams. **Use of cell phones or electronic devices other than a non-programmable scientific calculator during exams constitutes cheating and will result in an F in the course.** 

**Quizzes.** 12 quizzes (lowest 2 scores dropped) will be administered by paper or clicker, each worth 10 points (see syllabus schedule; 5 questions each, open notes, ~15 min). Quiz percentage will be scaled to 80 points.

Honor Code. Chemistry Department policy states that any student caught cheating on graded work will be assigned a course grade of F. Course drop forms will not be signed in these cases. Allowing your exam to be visible to others is considered to be cheating.

**Absences.** Make-up exams are *only* allowed in the event of a legitimate cause *and* proper notification to the instructor. Known absences (e.g., intercollegiate sports, travel for military or university purposes) are required to provide notification by email *before* the exam date; unexpected/emergency absences (e.g., illness, family, or personal emergency) need to provide notification at the earliest possible opportunity. You may be asked to provide documentation for the absence. Make-ups should be scheduled as soon as possible from the originally scheduled date. *Summary: If you have any absences (scheduled or unscheduled), or questions about absences/make-ups, email your instructors: Dr. Guerard (iguerard@alaska.edu) for lecture, and Dr. Green (tkgreen@alaska.edu) for lab.* 

**Mobile Devices and Laptops.** Mobile devices must be turned to silent or "vibrate" mode during class. Use of electronic devices that facilitate learning (e.g., as clickers) are permitted. *Any other use is prohibited*.

**Instructor-Initiated Withdrawals.** Until **Friday, November 2**<sup>nd</sup>, the instructor has the right to withdraw a student who has not participated substantially in the course. Any of (or combination of) the following constitute non-participation: 1) Missed exam or 2 quizzes without an excused absence, 2) At least 2 incomplete homework assignments, or 3) Less than 50% of participation points without excused absence(s).

## **Support & Accommodations:**

**Student protections and services statement**: Every qualified student is welcome in my classroom. As needed, I am happy to work with you, disability services, veterans' services, rural student services, etc. to find reasonable accommodations. Students at this university are protected against sexual harassment and discrimination (Title IX), and minors have additional protections. As required, if I notice or am informed of certain types of misconduct, then I am required to report it to the appropriate authorities. For more information on your rights as a student and the resources available to you to resolve problems, please go the following site: www.uaf.edu/handbook/.

Chemistry Learning Center (CLC): TAs keep regular office hours, which can be found on the CLC calendar: <a href="https://www.uaf.edu/chem/clc/">https://www.uaf.edu/chem/clc/</a>. Chemistry computer lab (REIC 172) is available for course related activities. See <a href="http://www.uaf.edu/chem/instrumentation/policies">http://www.uaf.edu/chem/instrumentation/policies</a>. Organic TAs can help out with lecture concepts too!

**Disabilities Services.** The Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials. I will work with the Office of Disabilities Services to provide reasonable accommodation to students with disabilities. If you have specific physical, psychiatric or learning disabilities and require reasonable accommodations, please let me know early in the semester (within first two weeks of class) so that your learning needs may be appropriately met. Disability Services is located in room 208 of the Whitaker Building. For more information please contact Disability Services by email at <a href="mailto:uaf-disabilityservices@alaska.edu">uaf-disabilityservices@alaska.edu</a>, by phone at 474-5655, or by TTY at 474-1827.

**Veteran Support Services.** Walter Crary (wecrary@alaska.edu) is the Veterans Service Officer at the Veterans Resource Center, 111 Eielson Building, 474-2475. Fairbanks Vet Center: 456-4238. VA Community Based Outpatient Clinic at Ft. Wainwright: 361-6370.

**Student Support Services**. The Student Support Services (SSS) program located in 512 Greuning (474-6844), provides opportunities for academic development, assists students with college requirements, and serves to motivate students toward successful completion of their degree program.

**Diversity, Equal Opportunity, and Affirmative Action:** The University of Alaska Fairbanks is accredited by the Northwest Commission on Colleges and Universities. UAF is an affirmative action/equal opportunity employer and educational institution. University of Alaska Board of Regents have clearly stated in BOR Policy that discrimination, harassment and violence will not be tolerated on any campus of the University of Alaska.

FAIRBANKS

## **CHEM F321 Fall 2018 Tentative Schedule**

Week         M         8/27         Ch 1: Lewis structures, Resonance         Ch 1-2           1         W 8/29         Ch 1: Functional Groups         F         8/31         Ch 2: Intermolecular Interactions         Quiz 1           Week         W 9/5         Ch 3: Orbital Hybridization         Ch 4         HW1a due, HW 2 due           Week         M 9/10         Ch IC E: Nomenclature         Ch 5         HW 1b due, HW 2 due           Week         M 9/10         Ch IC E: Nomenclature         Quiz 2, HW 3 due           3         W 9/12         Ch 4.1-4.5: Conformations         Ch 6         HW IC AB due           F 9/14         Ch 4.6-4.10: Conformations         HW IC Ed due           Week         M 9/17         Practice Problems         Quiz 3, HW 4a due           Week         M 9/17         Practice Problems         Quiz 3, HW 4b due           F 9/21         Ch 5.1-5.4, IC C: Chriality         HW 4b due           Week         M 9/24         Ch 5.5-5.7, 5.13-5.15: Chirality         Ch 7           5         W 9/26         Ch 5.8-5.12: Chirality         HW 5a due           Week         M 10/13         Ch 7, IC D: Elementary Steps, SN2         Ch 8         Quiz 4, HW 5b due           Week         M 10/3         Ch 7, IC D: Elementary Steps, SN2<		Date		Assigned Readings	Klein	Assignments
Week         W 9/5         Ch 3: Orbital Hybridization         Ch 4         HW1a due, HW xc1 due, 2         F 9/7         Ch CA, B: Nomenclature         Ch 5         HW1b due, HW 2 due           Week         M 9/10         Ch IC E: Nomenclature         Quiz 2, HW 3 due           3         W 9/12         Ch 4.1-4.5: Conformations         Ch 6         HW IC AB due           F 9/14         Ch 4.6-4.10: Conformations         HW IC E due           Week         M 9/17         Practice Problems         Quiz 3, HW 4a due           Week         M 9/17         Practice Problems         Quiz 3, HW 4a due           Week         M 9/17         Practice Problems         Quiz 3, HW 4a due           Week         M 9/17         Practice Problems         Quiz 3, HW 4a due           Week         M 9/19         EXAM1 (Ch 1-4, IC AB, E)         HW 4b due           F 9/21         Ch 5.5-5.7, S.13-5.15: Chirality         Ch 7         PW 4b due           F 9/22         Ch 5.8-5.12: Chirality         HW 5a due           F 9/28         Ch 6.1-6.3, 6.10-6.11: Acidity         HW 5c due           Week         M 10/1         Ch 6.4-6.9: Acidity         HW 5c due           Week         M 10/2         Ch 7, IC D: Elementary Steps, SN2         Ch 8         Quiz 5, HW 6a due	Week	М	8/27	Ch 1: Lewis structures, Resonance	Ch 1-2	
Week         W         9/5         Ch 3: Orbital Hybridization         Ch 4         HW1a due, HW xc1 due,           2         F         9/7         Ch IC A, B: Nomenclature         Ch 5         HW 1b due, HW 2 due           Week         M         9/10         Ch 1C E: Nomenclature         Quiz 2, HW 3 due           3         W         9/12         Ch 4.1-4.5: Conformations         Ch 6         HW IC AB due           F         9/14         Ch 4.6-4.10: Conformations         Ch 6         HW IC AB due           Week         M         9/17         Practice Problems         Quiz 3, HW 4a due           4         W 9/19         EXAM 1 (Ch 1-4, IC AB, E)         HW 4b due           F         9/21         Ch 5.1-5.4, IC C: Chirality         Ch 7           Week         M         9/24         Ch 5.5-5.7, 5.13-5.15: Chirality         F         9/28         Ch 5.9-5.40idity         Ch 3         Quiz 4, HW 5b due           Week         M         10/1         Ch 6.1-6.3, 6.10-6.11: Acidity         HW 5a due         HW 5c due           Week         M         10/3         Ch 7, IC D: Elementary Steps, E2         HW 6b due         HW 6b due           Week         M         10/10         Ch 15.4-15.6 - IR Spectroscopy         HW 7a due	1	W	8/29	Ch 1: Functional Groups		
Week         M         9/10         Ch IC A, B: Nomenclature         Ch 5         HW 1b due, HW 2 due           3         W         9/10         Ch IC E: Nomenclature         Quiz 2, HW 3 due           3         W         9/12         Ch 4.1-4.5: Conformations         Ch 6         HW IC B due           Week         M         9/17         Practice Problems         Quiz 3, HW 4a due           4         W         9/19         EXAM 1 (Ch 1-4, IC AB, E)         HW 4b due           F         9/21         Ch 5.5-5.4, IC C: Chirality         Ch 7           5         W         9/24         Ch 5.5-5.7, 5.13-5.15: Chirality         Ch 7           5         W         9/28         Ch 6.1-6.3, 6.10-6.11: Acidity         Ch 3         Quiz 4, HW 5b due           Week         M         10/1         Ch 6.4-6.9: Acidity         HW 5c due         HW 5c due           6         W         10/3         Ch 7.IC D: Elementary Steps, SN2         Ch 8         Quiz 5, HW 6a due           F         10/5         Ch7, IC D: Elementary Steps, E2         HW 6b due           Week         M         10/10         Practice problems         Quiz 6, HW 7b due           F         10/12         EXAM 2 (Ch 5-7, IC D.)         Practice problems		F	8/31	Ch 2: Intermolecular Interactions		Quiz 1
Week         M         9/10         Ch IC E: Nomenclature         Quiz 2, HW 3 due           3         W         9/12         Ch 4.1-4.5: Conformations         Ch 6         HW IC B due           F         9/14         Ch 4.6-4.10: Conformations         HW IC E due           Week         M         9/17         Practice Problems         Quiz 3, HW 4a due           4         W 9/19         EXAM1 (Ch 1-4, IC AB, E)         HW 4b due           F         9/21         Ch 5.1-5.4, IC C: Chirality         Ch 7           Week         M         9/24         Ch 5.1-5.4, IC C: Chirality         Ch 7           5         W 9/26         Ch 5.8-5.12: Chirality         HW 5a due           F         9/28         Ch 6.1-6.3, 6.10-6.11: Acidity         Ch 3         Quiz 4, HW 5b due           Week         M         10/1         Ch 6.4-6.9: Acidity         HW 5c due         HW 5c due           6         W 10/3         Ch 7, IC D: Elementary Steps, SN2         Ch 8         Quiz 5, HW 6a due           Week         M 10/8         Ch 15.4-15.6 - IR Spectroscopy         HW 7a due           T         V 10/10         Practice problems         Quiz 6, HW 7b due           Week         M 10/12         EXAM 2 (Ch 5-7, IC C, D) <t< th=""><th>Week</th><th>W</th><th>9/5</th><th>Ch 3: Orbital Hybridization</th><th>Ch 4</th><th>HW1a due, HW xc1 due,</th></t<>	Week	W	9/5	Ch 3: Orbital Hybridization	Ch 4	HW1a due, HW xc1 due,
3	2	F	9/7	•	Ch 5	·
3	Week	М	9/10	Ch IC E: Nomenclature		Quiz 2, HW 3 due
Week         M         9/17         Practice Problems         Quiz 3, HW 4a due           4         W         9/19         EXAM 1 (Ch 1-4, IC AB, E)         HW 4b due           F         9/21         Ch 5.1-5.4, IC C; Chirality         Ch 7           5         W         9/26         Ch 5.5-5.7, 5.13-5.15; Chirality         Ch 7           5         W         9/26         Ch 5.8-5.12; Chirality         HW 5a due           Week         M         10/1         Ch 6.1-6.3, 6.10-6.11; Acidity         Ch 3         Quiz 4, HW 5b due           Week         M         10/3         Ch 7,IC D; Elementary Steps, SN2         Ch 8         Quiz 5, HW 6a due           F         10/5         Ch 7,IC D; Elementary Steps, E2         HW 6b due           Week         M         10/8         Ch 15.4-15.6 - IR Spectroscopy         HW 7a due           7         W 10/10         Practice problems         Quiz 6, HW 7b due           F         10/12         EXAM 2 (Ch 5-7, IC C, D)           Week         M 10/15         Ch 1C1, Ch 8.1-8.4; SN1         Ch 9,10         HW 15 due           8         W 10/17         Ch 8.5-8.7; SN1, E1         HW 8a due           9         W 10/24         Practice Problems         Quiz 7, HW 8b due     <	3	W	9/12	Ch 4.1-4.5: Conformations	Ch 6	•
4         W 9/19         EXAM 1 (Ch 1-4, IC AB, E)         HW 4b due           F 9/21         Ch 5.1-5.4, IC C: Chirality         Ch 7           5         W 9/26         Ch 5.5-5.7, 5.13-5.15: Chirality         HW 5a due           F 9/28         Ch 6.1-6.3, 6.10-6.11: Acidity         Ch 3         Quiz 4, HW 5b due           Week         M 10/1         Ch 6.4-6.9: Acidity         HW 5c due           6         W 10/3         Ch 7, IC D: Elementary Steps, SN2         Ch 8         Quiz 5, HW 6a due           F 10/5         Ch7, IC D: Elementary Steps, E2         HW 6b due           Week         M 10/8         Ch 15.4-15.6 - IR Spectroscopy         HW 7a due           7         W 10/10         Practice problems         Quiz 6, HW 7b due           F 10/12         EXAM 2 (Ch 5-7, IC C, D)           Week         M 10/15         Ch IC1, Ch 8.1-8.4: SN1         Ch 9,10           8         W 10/17         Ch 8.5-8.7: SN1, E1         HW 8a due           Week         M 10/22         Ch 9.10-9.14: SN1, SN2, E1, E2         Quiz 7, HW 8b due           Week         M 10/22         Ch 9.10-9.15, SN1, SN2, E1, E2         HW 8c due           9         W 10/24         Practice Problems         Quiz 7, HW 9b due           10         W 10/31		F	9/14	Ch 4.6-4.10: Conformations		HW IC E due
F         9/21         Ch 5.1-5.4, IC C: Chirality         Ch 7           5         W         9/26         Ch 5.8-5.7; 5.13-5.15: Chirality         Ch 7           5         W         9/26         Ch 5.8-5.12: Chirality         Ch 7           F         9/28         Ch 6.1-6.3, 6.10-6.11: Acidity         Ch 3         Quiz 4, HW 5b due           Week         M         10/1         Ch 6.4-6.9: Acidity         HW 5c due           6         W         10/3         Ch 7, IC D: Elementary Steps, SN2         Ch 8         Quiz 5, HW 6a due           Week         M         10/8         Ch 15.4-15.6 - IR Spectroscopy         HW 7a due           7         W         10/10         Practice problems         Quiz 6, HW 7b due           8         W         10/12         EXAM 2 (Ch 5-7, IC C, D)           Week         M         10/15         Ch 10.1, Ch 8.1-8.4: SN1         Ch 9,10         HW 15 due           8         W         10/17         Ch 8.5-8.7: SN1, E1         HW 8a due         HW 3a due           9         W 10/24         Practice Problems         Quiz 7, HW 8b due           9         W 10/24         Practice Problems         Quiz 8, HW 9a due           10         W 10/31         Ch 10.5-10.7: SN1,	Week	М	9/17	Practice Problems		Quiz 3, HW 4a due
Week         M         9/24         Ch 5.5-5.7, 5.13-5.15: Chirality         Ch 7           5         W         9/26         Ch 5.8-5.12: Chirality         HW 5a due           F         9/28         Ch 6.1-6.3, 6.10-6.11: Acidity         Ch 3         Quiz 4, HW 5b due           Week         M         10/1         Ch 6.4-6.9: Acidity         HW 5c due           6         W         10/3         Ch 7, IC D: Elementary Steps, SN2         Ch 8         Quiz 5, HW 6a due           F         10/5         Ch 7, IC D: Elementary Steps, E2         HW 6b due           Week         M         10/8         Ch 15.4-15.6 - IR Spectroscopy         HW 7a due           7         W         10/10         Practice problems         Quiz 6, HW 7b due           8         W         10/12         EXAM 2 (Ch 5-7, IC C, D)           Week         M         10/15         Ch IC1, Ch 8.1-8.4: SN1         Ch 9,10           8         W         10/17         Ch 8.5-8.7: SN1, E1         HW 8a due           Week         M         10/22         Ch 9.10-9.14: SN1, SN2, E1, E2         HW 8c due           9         W         10/24         Practice Problems         Quiz 7, HW 8b due           Week         M         10/29	4	W	9/19	EXAM 1 (Ch 1-4, IC AB, E)		HW 4b due
5         W 9/26         Ch 5.8-5.12: Chirality         HW 5a due           F         9/28         Ch 6.1-6.3, 6.10-6.11: Acidity         Ch 3         Quiz 4, HW 5b due           Week         M 10/1         Ch 6.4-6.9: Acidity         HW 5c due           6         W 10/3         Ch 7, IC D: Elementary Steps, SN2         Ch 8         Quiz 5, HW 6a due           F         10/5         Ch7, IC D: Elementary Steps, E2         HW 6b due           Week         M 10/8         Ch 15.4-15.6 - IR Spectroscopy         HW 7a due           7         W 10/10         Practice problems         Quiz 6, HW 7b due           F         10/12         EXAM 2 (Ch 5-7, IC C, D)           Week         M 10/15         Ch IC1, Ch 8.1-8.4: SN1         Ch 9,10         HW 15 due           8         W 10/17         Ch 8.5-8.7: SN1, E1         HW 8a due           9         W 10/17         Ch 8.5-8.7: SN1, SN2, E1, E2         HW 8c due           9         W 10/24         Practice Problems         Quiz 7, HW 8b due           9         W 10/24         Practice Problems         Quiz 8, HW 9a due           10         Keak         M 10/29         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9b due           Week         M 10/29         Ch 10.5-10.7: SN1, SN2		F	9/21	Ch 5.1-5.4, IC C: Chirality		
F         9/28         Ch 6.1-6.3, 6.10-6.11: Acidity         Ch 3         Quiz 4, HW 5b due           Week         M         10/1         Ch 6.4-6.9: Acidity         HW 5c due           6         W         10/3         Ch 7,IC D: Elementary Steps, SN2         Ch 8         Quiz 5, HW 6a due           F         10/5         Ch7,IC D: Elementary Steps, E2         HW 6b due           Week         M         10/8         Ch 15.4-15.6 - IR Spectroscopy         HW 7a due           7         W         10/10         Practice problems         Quiz 6, HW 7b due           F         10/12         EXAM 2 (Ch 5-7, IC C, D)           Week         M         10/15         Ch 1C1, Ch 8.1-8.4: SN1         Ch 9,10         HW 15 due           8         W         10/17         Ch 8.5-8.7: SN1, E1         HW 8a due         HW 8c due           9         W         10/17         Ch 8.5-8.7: SN1, E1         E2         HW 8c due           9         W         10/22         Ch 9.10-9.14: SN1, SN2, E1, E2         HW 8c due           9         W         10/24         Practice Problems         Quiz 8, HW 9a due           Week         M         10/29         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9b due           Week <th>Week</th> <th>М</th> <th>9/24</th> <th>Ch 5.5-5.7, 5.13-5.15: Chirality</th> <th>Ch 7</th> <th></th>	Week	М	9/24	Ch 5.5-5.7, 5.13-5.15: Chirality	Ch 7	
Week         M         10/1         Ch 6.4-6.9: Acidity         HW 5c due           6         W         10/3         Ch 7, IC D: Elementary Steps, SN2         Ch 8         Quiz 5, HW 6a due           F         10/5         Ch7, IC D: Elementary Steps, E2         HW 6b due           Week         M         10/8         Ch 15.4-15.6 - IR Spectroscopy         HW 7a due           7         W 10/10         Practice problems         Quiz 6, HW 7b due           F         10/12         EXAM 2 (Ch 5-7, IC C, D)           Week         M         10/15         Ch IC1, Ch 8.1-8.4: SN1         Ch 9,10         HW 15 due           8         W         10/17         Ch 8.5-8.7: SN1, E1         HW 8a due         HW 8a due           F         10/19         Ch 9.10-9.14: SN1, SN2, E1, E2         Quiz 7, HW 8b due           Week         M         10/22         Ch 9.10-9.14: SN1, SN2, E1, E2         HW 8c due           9         W 10/24         Practice Problems         Quiz 8, HW 9a due           Week         M 10/29         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9c due           10         W 10/31         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9c due           Week         M 11/5         Practice Problems         HW 10a due	5	W	9/26	Ch 5.8-5.12: Chirality		HW 5a due
6         W 10/3 Ch 7,IC D: Elementary Steps, SN2 F 10/5 Ch7, IC D: Elementary Steps, E2         Ch 8 HW 6b due           Week         M 10/8 Ch 15.4-15.6 – IR Spectroscopy         HW 7a due           7         W 10/10 Practice problems         Quiz 6, HW 7b due           F 10/12 EXAM 2 (Ch 5-7, IC C, D)         Week           Week         M 10/15 Ch IC1, Ch 8.1-8.4: SN1         Ch 9,10 HW 15 due           8         W 10/17 Ch 8.5-8.7: SN1, E1         HW 8a due           F 10/19 Ch 9.1-9.9: SN1, SN2, E1, E2         Quiz 7, HW 8b due           Week         M 10/22 Ch 9.10-9.14: SN1, SN2, E1, E2         HW 8c due           9         W 10/24 Practice Problems         Quiz 8, HW 9a due           F 10/26 Ch 10.1-10.4: SN1, SN2, E1, E2         HW 9b due           Week         M 10/29 Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9b due           Week         M 10/31 Ch 10.8-10.10: SN1, SN2, E1, E2         HW 10a due           I0         W 10/31 Ch 10.8-10.10: SN1, SN2, E1, E2         HW 10a due           Week         M 11/5 Practice Problems         HW 10c due           I1         W 11/5 Practice Problems         HW 10c due           Week         M 11/12 Ch 11.6-11.8: Electrophilic Add.         Ch 11 HW 16 due           Week         M 11/12 Ch 11.6-11.8: Electrophilic Add.         HW 11a due		F	9/28	Ch 6.1-6.3, 6.10-6.11: Acidity	Ch 3	Quiz 4, HW 5b due
Week         M         10/8         Ch7, IC D: Elementary Steps, E2         HW 6b due           Week         M         10/8         Ch 15.4-15.6 – IR Spectroscopy         HW 7a due           7         W 10/10         Practice problems         Quiz 6, HW 7b due           F         10/12         EXAM 2 (Ch 5-7, IC C, D)           Week         M 10/15         Ch IC1, Ch 8.1-8.4: SN1         Ch 9,10         HW 15 due           8         W 10/17         Ch 8.5-8.7: SN1, E1         HW 8a due           F         10/19         Ch 9.10-9.14: SN1, SN2, E1, E2         Quiz 7, HW 8b due           Week         M         10/22         Ch 9.10-9.14: SN1, SN2, E1, E2         HW 8c due           9         W 10/24         Practice Problems         Quiz 8, HW 9a due           F         10/26         Ch 10.1-10.4: SN1, SN2, E1, E2         HW 9b due           Week         M 10/29         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9b due           Week         M 10/31         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9b due           Week         M 11/5         Practice Problems         HW 10a due           F         11/2         Ch 16.1-16.15 - NMR         Quiz 9, HW 10b due           Week         M 11/17         EXAM 3 (Ch 8-10, IR)	Week	М	10/1	Ch 6.4-6.9: Acidity		HW 5c due
Week         M         10/8         Ch 15.4-15.6 - IR Spectroscopy         HW 7a due           7         W         10/10         Practice problems         Quiz 6, HW 7b due           F         10/12         EXAM 2 (Ch 5-7, IC C, D)           Week         M         10/15         Ch IC1, Ch 8.1-8.4: SN1         Ch 9,10         HW 15 due           8         W         10/17         Ch 8.5-8.7: SN1, E1         HW 8a due           F         10/19         Ch 9.10-9.14: SN1, SN2, E1, E2         Quiz 7, HW 8b due           Week         M         10/22         Ch 9.10-9.14: SN1, SN2, E1, E2         HW 8c due           9         W         10/24         Practice Problems         Quiz 8, HW 9a due           F         10/26         Ch 10.1-10.4: SN1, SN2, E1, E2         HW 9c due           10         W         10/21         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9c due           10         W         10/31         Ch 10.8-10.10: SN1, SN2, E1, E2         HW 10a due           Week         M         11/5         Practice Problems         HW 10c due           Week         M         11/5         Practice Problems         HW 10c due           Week         M         11/12         Ch 11.6-11.8: Electrophilic Add.	6	W	10/3	Ch 7,IC D: Elementary Steps, SN2	Ch 8	Quiz 5, HW 6a due
7         W 10/10         Practice problems         Quiz 6, HW 7b due           F 10/12         EXAM 2 (Ch 5-7, IC C, D)           Week         M 10/15         Ch IC1, Ch 8.1-8.4: SN1         Ch 9,10         HW 15 due           8         W 10/17         Ch 8.5-8.7: SN1, E1         HW 8a due           F 10/19         Ch 9.1-9.9: SN1, SN2, E1, E2         Quiz 7, HW 8b due           Week         M 10/22         Ch 9.10-9.14: SN1, SN2, E1, E2         HW 8c due           9         W 10/24         Practice Problems         Quiz 8, HW 9a due           F 10/26         Ch 10.1-10.4: SN1, SN2, E1, E2         HW 9b due           Week         M 10/29         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9c due           10         W 10/31         Ch 10.8-10.10: SN1, SN2, E1, E2         HW 10a due           F 11/2         Ch 16.1-16.15 - NMR         Quiz 9, HW 10b due           Week         M 11/5         Practice Problems         HW 10c due           11         W 11/7         EXAM 3 (Ch 8-10, IR)         HW xc2 due           F 11/9         Ch 11.1-11.5: Electrophilic Add.         Ch 11         HW 16 due           Week         M 11/12         Ch 11.6-11.8: Electrophilic Add.         HW 11a due           W 11/26         Ch 12.4-12.5: Electrophilic Add.<		F	10/5	Ch7, IC D: Elementary Steps, E2		HW 6b due
Week         M         10/12         EXAM 2 (Ch 5-7, IC C, D)           Week         M         10/15         Ch IC1, Ch 8.1-8.4: SN1         Ch 9,10         HW 15 due           8         W         10/17         Ch 8.5-8.7: SN1, E1         HW 8a due           F         10/19         Ch 9.1-9.9: SN1, SN2, E1, E2         Quiz 7, HW 8b due           Week         M         10/22         Ch 9.10-9.14: SN1, SN2, E1, E2         HW 8c due           9         W 10/24         Practice Problems         Ch 12         HW 9b due           Week         M         10/29         Ch 10.1-10.4: SN1, SN2, E1, E2         HW 9b due           Week         M         10/29         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9b due           Week         M         10/29         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9c due           I0         W         10/31         Ch 10.8-10.10: SN1, SN2, E1, E2         HW 10a due           F         11/2         Ch 16.1-16.15 - NMR         Quiz 9, HW 10b due           Week         M         11/5         Practice Problems         HW 10c due           H         HV 10c due         HW 11a due           Week         M         11/12         Ch 11.6-11.8: Electrophilic Add.         HW 11a due </th <th>Week</th> <th>М</th> <th>10/8</th> <th>Ch 15.4-15.6 – IR Spectroscopy</th> <th></th> <th>HW 7a due</th>	Week	М	10/8	Ch 15.4-15.6 – IR Spectroscopy		HW 7a due
Week         M         10/15         Ch IC1, Ch 8.1-8.4; SN1         Ch 9,10         HW 15 due           8         W         10/17         Ch 8.5-8.7; SN1, E1         HW 8a due           F         10/19         Ch 9.1-9.9; SN1, SN2, E1, E2         Quiz 7, HW 8b due           Week         M         10/22         Ch 9.10-9.14; SN1, SN2, E1, E2         HW 8c due           9         W         10/24         Practice Problems         Quiz 8, HW 9a due           F         10/26         Ch 10.1-10.4; SN1, SN2, E1, E2         Ch 12         HW 9b due           Week         M         10/29         Ch 10.5-10.7; SN1, SN2, E1, E2         HW 9c due           10         W         10/31         Ch 10.8-10.10; SN1, SN2, E1, E2         HW 10a due           F         11/2         Ch 16.1-16.15 - NMR         Quiz 9, HW 10b due           Week         M         11/5         Practice Problems         HW 10c due           H         F         11/2         EXAM 3 (Ch 8-10, IR)         HW 10c due           Week         M         11/12         Ch 11.6-11.8; Electrophilic Add.         Ch 11         HW 11d due           H         F         11/16         Ch 12.1-12.3; Electrophilic Add.         HW 11b due           H	7	W	10/10	Practice problems		Quiz 6, HW 7b due
8       W 10/17       Ch 8.5-8.7: SN1, E1       HW 8a due         F 10/19       Ch 9.1-9.9: SN1, SN2, E1, E2       Quiz 7, HW 8b due         Week       M 10/22       Ch 9.10-9.14: SN1, SN2, E1, E2       HW 8c due         9       W 10/24       Practice Problems       Quiz 8, HW 9a due         F 10/26       Ch 10.1-10.4: SN1, SN2, E1, E2       HW 9b due         Week       M 10/29       Ch 10.5-10.7: SN1, SN2, E1, E2       HW 9c due         10       W 10/31       Ch 10.8-10.10: SN1, SN2, E1, E2       HW 10a due         F 11/2       Ch 16.1-16.15 - NMR       Quiz 9, HW 10b due         Week       M 11/5       Practice Problems       HW 10c due         11       W 11/7       EXAM 3 (Ch 8-10, IR)       HW xc2 due         F 11/9       Ch 11.1-11. 5: Electrophilic Add.       Ch 11       HW 16 due         Week       M 11/12       Ch 11.6-11.8: Electrophilic Add.       HW 11a due         12       W 11/14       Ch 11.9-11.12: Electrophilic Add.       HW 11b due         F 11/16       Ch 12.1-12.3: Electrophilic Add.       HW 11b due         Weta       M 11/26       Ch 12.6-12.8: Electrophilic Add.       HW 12a due         Week       M 11/28       Practice Problems       Quiz 11, HW 12c due		F	10/12	EXAM 2 (Ch 5-7, IC C, D)		
Week         M         10/22         Ch 9.1-9.9: SN1, SN2, E1, E2         Quiz 7, HW 8b due           9         W         10/24         Practice Problems         Quiz 8, HW 9a due           F         10/26         Ch 10.1-10.4: SN1, SN2, E1, E2         Ch 12         HW 9b due           Week         M         10/29         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9c due           10         W         10/31         Ch 10.8-10.10: SN1, SN2, E1, E2         HW 10a due           F         11/2         Ch 16.1-16.15 – NMR         Quiz 9, HW 10b due           Week         M         11/5         Practice Problems         HW 10c due           11         W         11/7         EXAM 3 (Ch 8-10, IR)         HW xc2 due           F         11/9         Ch 11.1-11.5: Electrophilic Add.         Ch 11         HW 16 due           Week         M         11/12         Ch 11.6-11.8: Electrophilic Add.         HW 11a due           12         W         11/14         Ch 12.1-12.3: Electrophilic Add.         HW 11b due           F         11/16         Ch 12.4-12.5: Electrophilic Add.         HW 12a due           Week         M         11/28         Practice Problems         Quiz 11, HW 12c due           F         11/30	Week	М	10/15	Ch IC1, Ch 8.1-8.4: SN1	Ch 9,10	HW 15 due
Week         M         10/22         Ch 9.10-9.14: SN1, SN2, E1, E2         HW 8c due           9         W         10/24         Practice Problems         Quiz 8, HW 9a due           F         10/26         Ch 10.1-10.4: SN1, SN2, E1, E2         Ch 12         HW 9b due           Week         M         10/29         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9c due           10         W         10/31         Ch 10.8-10.10: SN1, SN2, E1, E2         HW 10a due           F         11/2         Ch 16.1-16.15 - NMR         Quiz 9, HW 10b due           Week         M         11/5         Practice Problems         HW 10c due           11         W         11/7         EXAM 3 (Ch 8-10, IR)         HW xc2 due           F         11/9         Ch 11.1-11.5: Electrophilic Add.         Ch 11         HW 16 due           Week         M         11/12         Ch 11.6-11.8: Electrophilic Add.         HW 11a due           H         HW 11a due         HW 11b due         HW 11b due           F         11/16         Ch 12.1-12.3: Electrophilic Add.         HW 12a due           Week         M         11/26         Ch 12.6-12.8: Electrophilic Add.         HW 12b due           H         HW 12a         HW 12b due         Qu	8	W	10/17	Ch 8.5-8.7: SN1, E1		HW 8a due
9         W 10/24         Practice Problems         Quiz 8, HW 9a due           F 10/26         Ch 10.1-10.4: SN1, SN2, E1, E2         Ch 12         HW 9b due           Week         M 10/29         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9c due           10         W 10/31         Ch 10.8-10.10: SN1, SN2, E1, E2         HW 10a due           F 11/2         Ch 16.1-16.15 – NMR         Quiz 9, HW 10b due           Week         M 11/5         Practice Problems         HW 10c due           11         W 11/7         EXAM 3 (Ch 8-10, IR)         HW xc2 due           F 11/9         Ch 11.1-11. 5: Electrophilic Add.         Ch 11         HW 16 due           Week         M 11/12         Ch 11.6-11.8: Electrophilic Add.         HW 11a due           12         W 11/14         Ch 11.9-11.12: Electrophilic Add.         HW 11b due           F 11/16         Ch 12.1 – 12.3: Electrophilic Add.         Quiz 10, HW 11c due           Wk 13         M 11/19         Ch 12.4-12.5: Electrophilic Add.         HW 12a due           Week         M 11/26         Ch 12.6-12.8: Electrophilic Add.         HW 12b due           14         W 11/28         Practice Problems         Quiz 11, HW 12c due           F 11/30         EXAM 4 (Ch 11-12, NMR)         Ch 13           <		F	10/19	Ch 9.1-9.9: SN1, SN2, E1, E2		Quiz 7, HW 8b due
F         10/26         Ch 10.1-10.4: SN1, SN2, E1, E2         Ch 12         HW 9b due           Week         M         10/29         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9c due           10         W         10/31         Ch 10.8-10.10: SN1, SN2, E1, E2         HW 10a due           F         11/2         Ch 16.1-16.15 - NMR         Quiz 9, HW 10b due           Week         M         11/5         Practice Problems         HW 10c due           11         W 11/7         EXAM 3 (Ch 8-10, IR)         HW xc2 due           F         11/9         Ch 11.1-11. 5: Electrophilic Add.         Ch 11         HW 16 due           Week         M         11/12         Ch 11.6-11.8: Electrophilic Add.         HW 11a due           W 11/14         Ch 11.9-11.12: Electrophilic Add.         HW 11b due           W 11/16         Ch 12.1 - 12.3: Electrophilic Add.         Quiz 10, HW 11c due           Wk 13         M         11/19         Ch 12.4-12.5: Electrophilic Add.         HW 12a due           Week         M         11/26         Ch 12.6-12.8: Electrophilic Add.         HW 12b due           H         H         12/3         Ch 13.1-13.3: Organic Synthesis         Ch 13           H         H         12/3         Ch 13.4-13.8: Organic Synthes	Week	М	10/22	Ch 9.10-9.14: SN1, SN2, E1, E2		HW 8c due
Week         M         10/29         Ch 10.5-10.7: SN1, SN2, E1, E2         HW 9c due           10         W         10/31         Ch 10.8-10.10: SN1, SN2, E1, E2         HW 10a due           F         11/2         Ch 16.1-16.15 - NMR         Quiz 9, HW 10b due           Week         M         11/5         Practice Problems         HW 10c due           11         W 11/7         EXAM 3 (Ch 8-10, IR)         HW xc2 due           F         11/9         Ch 11.1-11.5: Electrophilic Add.         Ch 11         HW 16 due           Week         M         11/12         Ch 11.6-11.8: Electrophilic Add.         HW 11a due         HW 11b due           I2         W         11/14         Ch 11.9-11.12: Electrophilic Add.         HW 11b due         HW 11b due           Week         M         11/19         Ch 12.4-12.5: Electrophilic Add.         HW 12a due           Week         M         11/26         Ch 12.6-12.8: Electrophilic Add.         HW 12b due           Week         M         11/28         Practice Problems         Quiz 11, HW 12c due           F         11/30         EXAM 4 (Ch 11-12, NMR)           Week         M         12/3         Ch 13.1-13.3: Organic Synthesis         Ch 13           HW         13a due <th>9</th> <th>W</th> <th>10/24</th> <th>Practice Problems</th> <th></th> <th>Quiz 8, HW 9a due</th>	9	W	10/24	Practice Problems		Quiz 8, HW 9a due
10       W 10/31       Ch 10.8-10.10: SN1, SN2, E1, E2       HW 10a due         F 11/2       Ch 16.1-16.15 – NMR       Quiz 9, HW 10b due         Week       M 11/5       Practice Problems       HW 10c due         11       W 11/7       EXAM 3 (Ch 8-10, IR)       HW xc2 due         F 11/9       Ch 11.1-11.5: Electrophilic Add.       Ch 11       HW 16 due         Week       M 11/12       Ch 11.6-11.8: Electrophilic Add.       HW 11a due         12       W 11/14       Ch 11.9-11.12: Electrophilic Add.       HW 11b due         F 11/16       Ch 12.1 – 12.3: Electrophilic Add.       Quiz 10, HW 11c due         Wk 13       M 11/19       Ch 12.4-12.5: Electrophilic Add.       HW 12a due         Week       M 11/26       Ch 12.6-12.8: Electrophilic Add.       HW 12b due         14       W 11/28       Practice Problems       Quiz 11, HW 12c due         F 11/30       EXAM 4 (Ch 11-12, NMR)         Week       M 12/3       Ch 13.1-13.3: Organic Synthesis       Ch 13         15       W 12/5       Ch 13.4-13.8: Organic Synthesis       HW 13a due		F	10/26	Ch 10.1-10.4: SN1, SN2, E1, E2	Ch 12	HW 9b due
Week         M 11/5         Practice Problems         HW 10c due           11         W 11/7         EXAM 3 (Ch 8-10, IR)         HW xc2 due           F 11/9         Ch 11.1-11. 5: Electrophilic Add.         Ch 11         HW 16 due           Week         M 11/12         Ch 11.6-11.8: Electrophilic Add.         HW 11a due           12         W 11/14         Ch 11.9-11.12: Electrophilic Add.         HW 11b due           F 11/16         Ch 12.1 - 12.3: Electrophilic Add.         Quiz 10, HW 11c due           Wk 13         M 11/19         Ch 12.4-12.5: Electrophilic Add.         HW 12a due           Week         M 11/26         Ch 12.6-12.8: Electrophilic Add.         HW 12b due           14         W 11/28         Practice Problems         Quiz 11, HW 12c due           F 11/30         EXAM 4 (Ch 11-12, NMR)           Week         M 12/3         Ch 13.1-13.3: Organic Synthesis         Ch 13           15         W 12/5         Ch 13.4-13.8: Organic Synthesis         HW 13a due	Week	М	10/29	Ch 10.5-10.7: SN1, SN2, E1, E2		HW 9c due
Week         M         11/5         Practice Problems         HW 10c due           11         W         11/7         EXAM 3 (Ch 8-10, IR)         HW xc2 due           F         11/9         Ch 11.1-11.5: Electrophilic Add.         Ch 11         HW 16 due           Week         M         11/12         Ch 11.6-11.8: Electrophilic Add.         HW 11a due           12         W         11/14         Ch 11.9-11.12: Electrophilic Add.         HW 11b due           F         11/16         Ch 12.1 - 12.3: Electrophilic Add.         Quiz 10, HW 11c due           Wk 13         M         11/19         Ch 12.4-12.5: Electrophilic Add.         HW 12a due           Week         M         11/26         Ch 12.6-12.8: Electrophilic Add.         HW 12b due           14         W         11/28         Practice Problems         Quiz 11, HW 12c due           F         11/30         EXAM 4 (Ch 11-12, NMR)         Ch 13           Week         M         12/3         Ch 13.1-13.3: Organic Synthesis         Ch 13           15         W         12/5         Ch 13.4-13.8: Organic Synthesis         HW 13a due	10	W	10/31	Ch 10.8-10.10: SN1, SN2, E1, E2		HW 10a due
11       W 11/7 EXAM 3 (Ch 8-10, IR)       HW xc2 due         F 11/9 Ch 11.1-11. 5: Electrophilic Add.       Ch 11       HW 16 due         Week 12       M 11/12 Ch 11.6-11.8: Electrophilic Add.       HW 11a due         HW 11b due       HW 11b due         F 11/16 Ch 12.1 - 12.3: Electrophilic Add.       Quiz 10, HW 11c due         Wk 13       M 11/19 Ch 12.4-12.5: Electrophilic Add.       HW 12a due         Week M 11/26 Ch 12.6-12.8: Electrophilic Add.       HW 12b due         14 W 11/28 Practice Problems       Quiz 11, HW 12c due         F 11/30 EXAM 4 (Ch 11-12, NMR)       Quiz 11, HW 12c due         Week M 12/3 Ch 13.1-13.3: Organic Synthesis       Ch 13         HW 13a due		F	11/2	Ch 16.1-16.15 – NMR		Quiz 9, HW 10b due
Week         M 11/12         Ch 11.6-11.8: Electrophilic Add.         HW 11a due           12         W 11/14         Ch 11.9-11.12: Electrophilic Add.         HW 11b due           F 11/16         Ch 12.1 - 12.3: Electrophilic Add.         Quiz 10, HW 11c due           Wk 13         M 11/19         Ch 12.4-12.5: Electrophilic Add.         HW 12a due           Week         M 11/26         Ch 12.6-12.8: Electrophilic Add.         HW 12b due           14         W 11/28         Practice Problems         Quiz 11, HW 12c due           F 11/30         EXAM 4 (Ch 11-12, NMR)         Ch 13           Week         M 12/3         Ch 13.1-13.3: Organic Synthesis         Ch 13           15         W 12/5         Ch 13.4-13.8: Organic Synthesis         HW 13a due	Week	М	11/5	Practice Problems		HW 10c due
Week         M         11/12         Ch 11.6-11.8: Electrophilic Add.         HW 11a due           12         W         11/14         Ch 11.9-11.12: Electrophilic Add.         HW 11b due           F         11/16         Ch 12.1 – 12.3: Electrophilic Add.         Quiz 10, HW 11c due           Wk 13         M         11/19         Ch 12.4-12.5: Electrophilic Add.         HW 12a due           Week         M         11/26         Ch 12.6-12.8: Electrophilic Add.         HW 12b due           14         W         11/28         Practice Problems         Quiz 11, HW 12c due           F         11/30         EXAM 4 (Ch 11-12, NMR)         Ch 13           Week         M         12/3         Ch 13.1-13.3: Organic Synthesis         Ch 13           15         W         12/5         Ch 13.4-13.8: Organic Synthesis         HW 13a due	11	W	11/7	EXAM 3 (Ch 8-10, IR)		HW xc2 due
12       W 11/14       Ch 11.9-11.12: Electrophilic Add.       HW 11b due         F 11/16       Ch 12.1 – 12.3: Electrophilic Add.       Quiz 10, HW 11c due         Wk 13       M 11/19       Ch 12.4-12.5: Electrophilic Add.       HW 12a due         Week       M 11/26       Ch 12.6-12.8: Electrophilic Add.       HW 12b due         14       W 11/28       Practice Problems       Quiz 11, HW 12c due         F 11/30       EXAM 4 (Ch 11-12, NMR)         Week       M 12/3       Ch 13.1-13.3: Organic Synthesis       Ch 13         15       W 12/5       Ch 13.4-13.8: Organic Synthesis       HW 13a due		F	11/9	Ch 11.1-11. 5: Electrophilic Add.	Ch 11	HW 16 due
F 11/16 Ch 12.1 – 12.3: Electrophilic Add.       Quiz 10, HW 11c due         Wk 13       M 11/19 Ch 12.4-12.5: Electrophilic Add.       HW 12a due         Week       M 11/26 Ch 12.6-12.8: Electrophilic Add.       HW 12b due         14       W 11/28 Practice Problems       Quiz 11, HW 12c due         F 11/30 EXAM 4 (Ch 11-12, NMR)       Week       M 12/3 Ch 13.1-13.3: Organic Synthesis       Ch 13         15       W 12/5 Ch 13.4-13.8: Organic Synthesis       HW 13a due	Week	М	11/12	Ch 11.6-11.8: Electrophilic Add.		HW 11a due
Wk 13         M         11/19         Ch 12.4-12.5: Electrophilic Add.         HW 12a due           Week         M         11/26         Ch 12.6-12.8: Electrophilic Add.         HW 12b due           14         W         11/28         Practice Problems         Quiz 11, HW 12c due           F         11/30         EXAM 4 (Ch 11-12, NMR)           Week         M         12/3         Ch 13.1-13.3: Organic Synthesis         Ch 13           15         W         12/5         Ch 13.4-13.8: Organic Synthesis         HW 13a due	12	W	11/14	Ch 11.9-11.12: Electrophilic Add.		HW 11b due
Week         M         11/26         Ch 12.6-12.8: Electrophilic Add.         HW 12b due           14         W         11/28         Practice Problems         Quiz 11, HW 12c due           F         11/30         EXAM 4 (Ch 11-12, NMR)           Week         M         12/3         Ch 13.1-13.3: Organic Synthesis         Ch 13           15         W         12/5         Ch 13.4-13.8: Organic Synthesis         HW 13a due		F	11/16	Ch 12.1 – 12.3: Electrophilic Add.		Quiz 10, HW 11c due
14       W 11/28       Practice Problems       Quiz 11, HW 12c due         F 11/30       EXAM 4 (Ch 11-12, NMR)         Week       M 12/3       Ch 13.1-13.3: Organic Synthesis       Ch 13         15       W 12/5       Ch 13.4-13.8: Organic Synthesis       HW 13a due	Wk 13	М	11/19	Ch 12.4-12.5: Electrophilic Add.		HW 12a due
F         11/30         EXAM 4 (Ch 11-12, NMR)           Week         M         12/3         Ch 13.1-13.3: Organic Synthesis         Ch 13           15         W         12/5         Ch 13.4-13.8: Organic Synthesis         HW 13a due	Week	М	11/26	Ch 12.6-12.8: Electrophilic Add.		HW 12b due
F         11/30         EXAM 4 (Ch 11-12, NMR)           Week         M         12/3         Ch 13.1-13.3: Organic Synthesis         Ch 13           15         W         12/5         Ch 13.4-13.8: Organic Synthesis         HW 13a due	14	W	11/28	Practice Problems		Quiz 11, HW 12c due
15 W 12/5 Ch 13.4-13.8: Organic Synthesis <b>HW 13a due</b>		F	11/30	EXAM 4 (Ch 11-12, NMR)		
	Week	М	12/3	Ch 13.1-13.3: Organic Synthesis	Ch 13	
·	15	W	12/5	Ch 13.4-13.8: Organic Synthesis		HW 13a due
		F	12/7	Practice Problems		Quiz 12, HW 13b due
FINAL W 12/12 COMPREHENSIVE FINAL 8-10 AM HW xc3 due	FINAL	W	12/12	COMPREHENSIVE FINAL 8-10 AM		HW xc3 due

**Amending this Syllabus**: Before the last drop date, I may revise the syllabus to correct for any errors. Revision at a later time would require majority vote by students present in class on day issue is decided. Adjustments to the lecture schedule and homework due dates may be made at the instructor's discretion anytime during the semester. Any revisions will be distributed via Blackboard and announced in class.