Some Suggested Possible Schedules: Test Scheduling Possibilities (Overview):

	Using 50-minute MSUM Panopto Videos http://web.mnstate.edu/jasperse/Online/Lectures360online.html	**If you use 60-minute NDSU Tegrity Videos** http://www.ndsu.edu/pubweb/~jasperse/Chem342/chem342-onlinelectures-2015.htm
Test 1	• Lectures 1-10	• Lectures 1-10
Test 2	• Lectures 11-16	• Lectures 10-16
Test 3	• Lectures 17-28	• Lectures 17-26
Test 4	• Lectures 29-39	• Lectures 27-34

16-week: (see following pages for more detailed suggested schedule)

- Four weeks per typical test
- For typical test, Weeks 1-3: Go through all lecture videos, Sapling online homework, and some of the extra practice sets. For most tests, this will be about four lecture videos per week.
- Week 4: Study a lot; go through all the practice sets; complete any quizzes or incomplete Sapling; review lecture video discussion on topics that don't make sense; do all the practice tests. Then take the actual test.
- One week left to study for final and actually take the final
- Test 3 will take extra long; test 2 doesn't have nearly as many lectures and shouldn't take as long.
- Note: Test 2 is really a "half test" so should be completed more quickly

12-week: (see following pages for more detailed suggested schedule)

- Three weeks per typical test
- Weeks 1-2: Go through all lecture videos, Sapling online homework, and some of the extra practice sets. For most tests, this will be about five lecture videos per week.
- Week 3: Study a lot; go through all the practice sets; complete any quizzes or incomplete Sapling; review lecture video discussion on topics that don't make sense; do all the practice tests. Then take the actual test.
- This could leave variable time to study for the final.
- Why aim for 12-week schedule?
  - This could give time to finish early, so you could focus on other end-of-semester responsibilities.
  - This leaves cushion, in case one of the tests you struggle, or have other time-pressure crises.
  - This could finish before or immediately following Easter.
  - This could be helpful if you started late for whatever reason.
- Note: Test 2 is really a "half test" so should be completed more quickly

10-week: (see following pages for more detailed suggested schedule)

- Two-and-a-half weeks per test (17 days)
- Days 1-11: Go through all lecture videos, Sapling online homework, and extra practice sets.
- Days 12-16: Study a lot; go through all the practice sets; complete any quizzes or incomplete Sapling; review lecture video discussion on topics that don't make sense; do all the practice tests. Then take the actual test.
- Spend an 11th week studying for and then taking final.
- Why aim for 9-week schedule?
  - Just get it done really fast?
  - Maybe you started late for whatever reason?
  - During last summer, I had 160 students who completed course in 8 weeks or less (some in 6 weeks), so it's certainly possible.
- Note: Test 2 is really a "half test" so should be completed more quickly

8-week: (see following pages for more detailed suggested schedule)

- Two weeks per test
- 8 days : Go through all lecture videos, Sapling online homework, and some extra practice sets.
- Days 9-13: Study a lot; go through all the practice sets; complete any quizzes or incomplete or incomplete Sapling; review lecture video discussion on topics that don't make sense; do all the practice tests.
- Day 14: Take the actual test.
- Spend a 9th week studying for and then taking final.
- Note: Test 2 is really a "half test" so should be completed more quickly

Some Suggested Possible Schedules

Possible/Suggested 16-week Schedule (you can personalize it):

- **This approximates what students in a full-semester face-to-face class would do; 3-4 lectures per week.**

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Test 1 Mon 2/11	• Lectures 1-10 • Finish lectures/Sapling by Monday, 2/4 • Digest/Practice/Integrate Tuesday-till-test	• Lectures 1-10
Test 2 Mon 2/25	• Lectures 11-16 (short, fewer, limited content) • Finish lectures/Sapling by Monday, 2/18 • Digest/Practice/Integrate Tuesday-till-test	• Lectures 10-16
Test 3 Mon 4/01	• Lectures 17-28 (longer, harder; much content) • Finish lectures/Sapling by Monday, 3/25 • Digest/Practice/Integrate Tuesday-till-test	• Lectures 17-26
Test 4 Mon 5/6	• Lectures 29-39 • Finish lectures/Sapling by Monday, 4/29 • Digest/Practice/Integrate Tuesday-till-test	• Lectures 27-34
Final Mon 5/13	• Study like crazy for a week! It's hard.	•

Notes on the 16-week schedule:

- On this schedule you should routinely be going through test lectures in three weeks (~4 lectures per week), then giving yourself most of a week to catch up, study, review, do lots of practice problems, practice sets, and practice tests prior to actually taking the tests.
- Test 2 is a "half-test" in point value, and involves only 6 lectures, so should be handled much faster.
- Test 3 is especially challenging, so might demand some extra time.
- You could move faster if you wished.
- A week is included between test 4 and the cumulative final.
- The final must be completed by May 15th.
- These dates assume you want to match with the regular class schedule. But, probably you don't.
    - You'd do well to finish sooner.
    - That way, if you're taking other classes that have end-of-semester requirements and final exams, your time for this class wouldn't be competing with your time for those.
    - Many of you may wish to start way early, well before January 14.
    - Wouldn't it be nice to complete before Easter? Or, perhaps before the end of April? Maybe even by the end of Spring Break week?

Schedule Flexibility and the Possibility of Customizing Your Schedule to Your Own Circumstances:

- As long as you complete all of the tests by the end of the semester (May 15), test dates are otherwise unfixed/undefined.
- You could start way early (including as early as November!) and finish way early as well (including as early as February or March) if you wish.
- For those testing on-campus, you can schedule to take any test on any Monday, Wednesday or Friday that fits your schedule and your readiness. I will offer regular Monday/Wednesday/Friday testing at 1pm or 2pm.
    - Tuesday afternoons are also usually available, by arrangement. (Contact me.)
    - You can also often make case-by-case arrangements with me to test on other days/times.
- For distance students testing with proctor, you can pretty much set up testing times with your proctor for whatever time fits your mutual schedules. In the above schedule, I have listed suggested Tuesday or Friday days because those fit with my testing-on-campus times. But if you are testing using a proctor, you can arrange any day of the week that works for you and proctor.
- You can adjust on the fly, to some degree. For example, suppose you were planning to take Test 1 on Friday, Feb 2, but you realized that if you could study for a couple more days and take it on Monday or Tuesday, you could do much better. That would be OK. (Of course, it's all too easy to keep "moving tests back" only to run out of time, so be disciplined…)

Possible/Suggested 12-week Schedule (you can personalize it):

- **This should involve about 5 lectures per week.**

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Test 1 Mon 2/4	• Lectures 1-10 • Finish lectures/Sapling by Monday, 1/28 • Digest/Practice/Integrate Tuesday-till-test	• Lectures 1-10
Test 2 Mon 2/18	• Lectures 11-16 (short, fewer, limited content) • Finish lectures/Sapling by Monday, 2/11 • Digest/Practice/Integrate Tuesday-till-test	• Lectures 10-16
Test 3 Mon 3/18	• Lectures 17-28 (longer, harder; much content) • Finish lectures/Sapling by Monday, 3/11 • Digest/Practice/Integrate Tuesday-till-test	• Lectures 17-26
Test 4 Mon 4/8	• Lectures 29-39 • Finish lectures/Sapling by Monday, 4/1 • Digest/Practice/Integrate Tuesday-till-test	• Lectures 27-34
Final Mon 4/15	• Study like crazy for a week! It's hard.	•

Possible/Suggested 10-week Schedule (you can personalize it):

	Using 50-minute MSUM Panopto Videos http://web.mnstate.edu/jasperse/Online/Lectures360online.html	**In Case you use 60-minute NDSU Tegrity Videos** https://www.ndsu.edu/pubweb/~jasperse/Online/onlinelectures-342.htm
Test 1 Fri 2/1	• Lectures 1-10 • Finish lectures/Sapling by Monday, 1/28 • Digest/Practice/Integrate Tuesday-till-test	• Lectures 1-10
Test 2 Fri 2/15	• Lectures 11-16 (short, fewer, limited content) • Finish lectures/Sapling by Monday, 2/11 • Digest/Practice/Integrate Tuesday-till-test	• Lectures 10-16
Test 3 Fri 3/8	• Lectures 17-28 (longer, harder; much content) • Finish lectures/Sapling by Monday, 3/4 • Digest/Practice/Integrate Tuesday-till-test	• Lectures 17-26
Test 4 Fri 3/29	• Lectures 29-39 • Finish lectures/Sapling by Monday, 3/25 • Digest/Practice/Integrate Tuesday-till-test	• Lectures 27-34
Final Fri 4/5	• Study like crazy for a week! It's hard.	•

Possible/Suggested 8-week Schedule (you can personalize it):

- **This should involve an average of at least one video lecture per day, weekends included.**

	Using 50-minute MSUM Panopto Videos http://web.mnstate.edu/jasperse/Online/Lectures360online.html	**In Case you use 60-minute NDSU Tegrity Videos** https://www.ndsu.edu/pubweb/~jasperse/Online/onlinelectures-342.htm
Test 1 Mon 1/28	• Lectures 1-10 • Finish lectures/Sapling by Thursday, 1/24 • Digest/Practice/Integrate Thursday-till-test	• Lectures 1-10
Test 2 Mon 2/11	• Lectures 11-16 (short, fewer, limited content) • Finish lectures/Sapling by Thursday, 2/7 • Digest/Practice/Integrate Thursday-till-test	• Lectures 10-16
Test 3 Mon 3/4	• Lectures 17-28 (longer, harder; much content) • Finish lectures/Sapling by Thursday, 2/28 • Digest/Practice/Integrate Thursday-till-test	• Lectures 17-26
Test 4 Mon 3/18	• Lectures 29-39 • Finish lectures/Sapling by Thursday, 3/14 • Digest/Practice/Integrate Thursday-till-test	• Lectures 27-34
Final Mon 3/25	• Study like crazy for a week! It's hard.	•

Copy of "Full" Schedule Used by Regular "Face-to-Face" Class

		Chemistry 360, Jasperse, Spring 2019 Wade 7 (43 class days, 39 lectures)		Reading
	Date	Topic		Assignment
1	14-Jan	Intro; Structure, Nomenclature, Properties, Weak Acidity of Alcohols		10.1-10.6
2	16-Jan	Synthesis of Alcohols; Organometallic Reactions.		10.7-10.9
3	18-Jan	Synthesis of Alcohols; Organometallic Reactions.		10.7-10.9
		Skip 10.12		
	21-Jan	No Class. Martin Luther King Day.		no class
4	23-Jan	Side Reactions; Reduction of Carbonyl Compounds		10.10-10.11
5	25-Jan	Oxidation of Alcohols		11.1-11.3
		Skip 11.4, 11.11-13		
6	28-Jan	Conversion of Alcohols to Tosylates or Halides; Uses of Tosylates and Halides		11.5-11.9
7	30-Jan	Miscellaneous; Chemical Tests; Multistep Synthesis		11.10, 11.14
8	1-Feb	Retrosynthetic Analysis		
9	4-Feb	Catchup, Multistep Synthesis Problems		Catchup
10	6-Feb	Review for Test 1		---
11	8-Feb	1H NMR Overview: Chemical Shift, Integration, and Splitting; 1H NMR Problem Solving		13.5-8
12	11-Feb	1H NMR Overview: Chemical Shift, Integration, and Splitting; 1H NMR Problem Solving		13.5-8
T1	13-Feb	**Test #1 Covering Chapters 10-11.**		**Test 1**
13	15-Feb	1H NMR Problem Solving		13.5-8
14	18-Feb	More Problem Solving; Complex Splitting; Stereochemical Nonequivalence of Protons		13.9-10
15	20-Feb	13C NMR; Infrared Spectroscopy		13.12-13; 12.11-12
16	22-Feb	Spectroscopy Catchup, Integrated Problems		catchup
		(Focus on 13.5-8, 12-13; Skim 13.1-4, 9, 10; Skip 11, 14)		
17	25-Feb	Ketones/Aldehydes. Nomenclature, Properties, Intro.		18.1-7
T2	27-Feb	**Test #2 Covering Chapters 12-13. 50 points.**		Test 2
18	1-Mar	Synthesis of Ketones/Aldehydes.		18.7-11
	4-Mar	No Class, Spring Break		
	6-Mar	No Class, Spring Break		
	8-Mar	No Class, Spring Break		
19	11-Mar	Reactions of Ketones/Aldehydes		18.12, 14-17, 18-19
20	13-Mar	Reactions of Ketones/Aldehydes		18.20-21
21	15-Mar	Catchup; Enols and Enolates Intro. Acid/Base Considerations; Proton as Electrophile		22.1-2, 22.15
		(Skip 18.13, for now….)		
22	18-Mar	Enols and Enolates Intro. Acid/Base Considerations; Proton as Electrophile		22.1-2, 22.15
23	20-Mar	Halogenation; Alkylation; Double Activation; Ester Hydrolysis; Decarboxylation		22.3, 5, 15-17
24	22-Mar	The Aldol Reaction (Aldehyde/Ketone as Electrophile)		22.7-11
		(Skip 22.4,6. 18, 19)		
25	25-Mar	Claisen Reaction (Ester as Electrophile)		22.12-17
26	27-Mar	Catchup		
27	29-Mar	The Wittig Reaction and Alkene Synthesis; Catchup		18.13
28	1-Apr	Catchup, Integrated Practice Problems.		Catchup
29	3-Apr	Amines. Intro, Nomenclature, Properties; Basicity of Amines; Structural Factors; Salts		19.1-7
T3	5-Apr	**Test #3 Covering Chapters 18 and 22.**		
30	8-Apr	Reactions of Amines		19.10-13, 17-18
31	10-Apr	Diazonium Chemistry; Amine Synthesis by Reductive Amination of Carbonyls		19.17-19
32	12-Apr	More Synthesis of Amines		19.19
		(Skip 19.8-9,14-16,24-25)		
33	15-Apr	Carboxylic Acids: Nomenclature; Properties; *ACIDITY*; Salts; Soap; SYNTHESIS		20.1-5
34	17-Apr	Acid Synthesis; Reactions		20.8-11
	19-Apr	No Class, Easter Friday		
	22-Apr	No Class, Easter Monday		20.8-11
35	24-Apr	Reactions of Acids: Nucleophilic Acyl Substitution; Carboxylic Acid Derivatives		20.13-15; 21.1-3
36	26-Apr	Interconversions Among Acids and Derivatives; Synthesis and Mechanism; Catchup		21.5-7
		(Skip 20.6,7,12; Skip 21.4))		
37	29-Apr	Interconversions Among Acids and Derivatives; Synthesis and Mechanism; Catchup		21.5-7
38	1-May	Practice Problems		-
39	3-May	Catchup		
T4	6-May	**Test #4 Chapters 19-21**		Test 4
	9-May	**Final Exam, 11:30am., Thursday**		**Final Exam**

*Note: On this schedule some lectures for a later test (for example Test 3) come before an earlier test (for example Test 1) has been completed.