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| P6   | **Suggested Test Schedules**  
• These online courses are “asynchronous”, which means test scheduling is flexible and can be individualized. You can “custom schedule” them.  
• Links to suggested possible 11-week, 8-week, 6-week, 5-week, and 4-week schedules for Organic Chemistry I (CHEM341)  
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| P7   | **Links to Actual Online Organic Chemistry I and II Courses and their Syllabi and Lecture Video Pages** |
| P8   | **Will Online Organic be Easier than Regular Face-to-Face Organic?**  
• NO WAY! Rigorous but Reasonable, Equal Difficulty |
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• No. Online Organic (I or II) is as Much Like “Normal” Course as Possible |
| P10  | **What are the Advantages and Challenges of Online Organic Chemistry?** |
| P11  | **The challenge of summer pace: Time and Commitment are Essential!** |
| P12  | These are FOR CREDIT Online Classes |
| P12  | This is an ACS-approved program (American Chemical Society approved) |
| P13  | **What will it cost? ~$1.1K. Flat fee for everybody.**  
• Online summer class is NOT more expensive than a face-to-face summer class.  
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| P14  | **How do I get Registered for NDSU and for the Course, if I’m not an NDSU Student Already?** |
| P15  | **Getting Class Permit (“Override”) to override NDSU Prerequisites.**  
• Needed if you are either not a regular NDSU student who took NDSU’s General Chemistry II or Organic I course,  
• Or if you are taking both Organic I and Organic II during this same summer |
| P16  | **What About Lab?**  
• Organic Lab I and Organic Lab II are separate courses at NDSU.  
• No online lab available! |
| P17  | **Do I have the Technical Capacity to play the online videos effectively?** |
Is this the right course for you?  What kind of student demographic are these online Organic I and Organic II classes really targeting?

- **Note**: NDSU Transcripts will NOT indicate in any way that this was an online course. The transcript displays the same as it does for regular face-to-face courses.

1. Science majors who need two semesters of organic chemistry.
   - Chemistry majors, Biology majors
   - Pre-med, pre-pharmacy, pre-dentistry, etc. pre-health students.
   - **Not** geared towards students who need a condensed one-semester course covering organic chemistry or both organic and biochemistry

2. Students who want to get through enough Organic I so that they can also take my live Organic II course (8-week period, mid-June through first week of August) or my online Organic II course during the same summer
   - Need to get through at least two of the four organic I tests first
   - Getting through three or all four of the four Organic I tests is much preferred

3. NDSU Pre-pharmacy students and medical laboratory science students
   - Students who need to take biochemistry, but need to finish organic chemistry first.

4. Students who want to be well prepared for the organic chemistry content on standardized tests such as GRE, MCAT, PCAT, DAT, OAT, etc.
   - My alumni have done very well on the organic chemistry parts of those! 😊

5. Students who need an online class for whatever reason, but would like it to be as much like a “regular” live class as possible
   - Lectures are primarily recordings of my actual recent live lectures
   - Anything I’d show on the screen, or say, or write, in my live lectures is here!
   - Except you can pause and rewind, if you want, which makes it better yet!

6. Students who may need some scheduling flexibility.
   a. Organic I could perhaps be attacked in 4-, 6-, 8-, or 11-weeks, or anything in between!
   b. If you start aiming for 4 weeks, but realize it’s too fast, you can slow down
   c. Similar for 6 week plan, can extend it as needed
   d. Organic II could also be done on 6-week or 8-week plans
   e. Either Organic I or Organic II could be started early

7. Students who need the lecture(s), but will be able to take lab(s) as separate course(s).
   - Each of these is a 3-credit course, obviously without an online lab!
   - NDSU students: you can take live labs during the summer, or in subsequent semesters

8. Students who like to see and work lots of sample problems in class so that they feel like they understand what they need to be able to do and understand

9. Students who are self-motivated, self-disciplined, and have time
   - Full-time job and softball two nights a week won’t work!
   - “I’ll do it later, I’ll do it later” won’t work!

10. Students who want a “rigorous and reasonable” organic chemistry course
    a. Demanding course with high expectations, as you’d expect for a chemistry course at NDSU
    b. Covers same material that I teach during full fall-spring semesters
    c. Not elitist: I assume the pace is less demanding than at Harvard….
    d. Limited pre-requisites: general chemistry is all
    e. I want to make things as understandable as possible, and provide as many resources as possible so that students succeed
Testing: Either live at NDSU or Proctored for distance students. Testing will NOT be online.

1. **Testing** is one aspect of this “online” class that **cannot be done online**. The nature of organic chemistry requires drawing/illustrating complex structures for chemicals and electron movement during reaction mechanisms. As such it is not conducive to multiple-choice or short-answer questions that are conveniently viewed and answered online. Further, the flexible “asynchronous” scheduling means that some students will take a test before some others; hand-written tests that are proctored and collected upon completion are good for test security.

2. **Flexible Test Scheduling:** All four tests must be completed by the end of the summer term. But there are not fixed tests dates. To some degree, you can make arrangements to take the tests (within limits) at your own schedule. For example (these are just examples…):
   - You could complete the May 16-start O1 course in the scheduled 12 weeks, May 16-Aug 4
   - You could complete the course in 6 weeks, May 16-June 23. This makes best sense if you are trying to complete both Organic I and Organic II in the same summer. So you could complete Organic I by June 23, then use the 6 weeks from June 26-Aug 4 to complete Organic II.
   - You could complete the course in 4 weeks, May 16-June 12, then be ready for the 8-week face-to-face Organic II course that begins on June 13. (And for the Organic I summer lab?)
   - You could individualize your schedule. Gone on a mission trip for a week? Gone for a long weekend for a family vacation or a wedding? You could work ahead as needed to ensure the ability to master all of the material.
   - See course syllabi for suggested 4, 5, 6, 8, or 12-week schedules.

3. **Testing options**
   a. **Testing at NDSU:** Any Monday or Thursday, at 12 noon, Ladd 114.
      - With the flexible, asynchronous test scheduling, different students will be ready for tests at different times. The next available Monday or Thursday will always be an opportunity.
   b. **Proctored Testing**, local to you: Arrange to have your tests proctored, **typically at a local college, library, church or high school**.
      1) Most colleges have proctoring services.
      2) Many public libraries are willing to provide proctoring services
      3) For taking proctored tests, **YOU** will need to find/arrange the proctor; arrange scheduling with that proctor; email me the name, job, email, and phone number for your proctor; and email me a website for the organization that the proctor is a part of. (For example, if your church pastor is going to proctor your exam, I’d like to look him up to make sure he and the church really exist, before calling him to confirm! 😊)
      4) For proctored tests, I will normally email a copy of the test to the proctor who will print the test. After the test is done the proctor will scan and email me the answers and destroy the printed copy.
      5) Because it takes some time to communicate with the proctor, to load and send copies of tests, and for the proctor to print them, it helps to have some advance notice. (Maybe if you email me on Friday night that you’ve got a proctored test set up for Saturday afternoon I’ll get it sent and it will be printed and ready for you; but don’t totally count on it! 😊)
   c. **Special Arrangement Testing at NDSU** at times other than Monday/Thursday noon. Depending on my schedule and availability, feel free to at least ask if you could take a test at a time that works better for you. I might say yes!

4. **Testing time is 90 minutes.**
   1) Tests are structured so that a well-prepared student should be able to complete a test in 50 minutes or less. But by allowing 90 minutes, that gives extra time to work on problems that you might get stuck on; it provides time to check your work; it provides more space for students who don’t work fast; and it provides enough cushion so that you can just focus on your test without being distracted by worrying about the clock.
   2) If you do take proctored tests, you will want to arrange for a 90-minute time block.

**Proctored Tests will not be returned.** Given the flexible test-scheduling, I will not be able to send you copies of your graded tests. Local students can see graded test in my office.
**Organic I and II can be taken in one summer. (But it’s hard and will take much work)**

1. Organic II could be taken online or live.
   - Taking Organic II live may be preferred for many pre-pharmacy students?

2. In order to take my live Organic II course (mid-June through first week of August), students must have completed at least two, preferably three, and ideally all four of the Organic I tests first

Several flexible schedule options:

A. **4-Week/8-Week Plan:** Complete Organic I (online) in 4 weeks, then start Organic 2 (8 weeks, either live or online) on normal schedule (June 13 in 2017, June 12 in 2018)
   - Ideal plan
   - Full-time commitment during the 4 weeks (starting May 16 in 2017, May 15 in 2018)
   - If you start on this schedule but you realize it’s unrealistically fast, you can readjust to a less accelerated pace.

B. **6-Week/6-Week Plan:** Complete Organic I (online) in 6 weeks, then complete Organic II (online) in 6 weeks.
   - If both courses are being taken online, the simplest way to split up the 12 weeks is to go six weeks and six weeks.

C. **6-Week Online Overlapping 8-Week Face-to-Face Plan:** Complete Organic I (online) in 6 weeks, with the last two weeks overlapping with live Organic II class.
   - Try to complete tests 1-3 prior to the start of Organic II.
   - Less rushed than Plan A
   - Test 4 could be completed before the first test of Organic Chemistry II.

D. **8-Week Online Overlapping 8-Week Face-to-Face Plan:** Complete Organic I (online) in 8 weeks, with the last four weeks overlapping with the live 8-week Organic II class.
   - You would try to complete tests 1 and 2 (and 3?) prior to the start of Organic II.
   - Not sure this plan makes any strategic sense, since the overlapping weeks will be busy.

Notes:
1. Detailed suggested lecture-schedules and test schedules will be made available for each Plan.
2. Real people with real scheduling complexities can make adjustments as needed
   - Weddings, National guard, Reserve, Sickness, Missions Trip, Pre-planned family gatherings, Work emergencies, Family needs, Etc.
3. Starting Early is well possible.
   - The videos will be available well in advance of the formal start days.
4. Contact Dr. Jasperse to perhaps discuss your specific situations and discuss what kind of a schedule might work best for you.
Dates, Flexible Schedules: Go-At-Your-Own-Pace “Asynchronous”.

1. FLEXIBILITY. You can schedule your own test dates (so long as you finish all by Aug 4, 2017)

2. The “Official” semester start date is either May 16 (Organic I) or June 13, 2017 (Organic I or Organic II)
   • You can start earlier, much earlier, if you want, or in between those dates.

3. Semester Completion date:  **Aug. 4, 2017.**
   a. You can finish early, and you can start early (or late), but you MUST FINISH BY AUG. 4

4. YOU CAN START EARLY, AND/OR FINISH EARLY. (But must finish by Aug. 4 deadline.)
   • I will try to have all course materials ready/online at least a month (usually many months) early
   • Since lectures and learning materials are online, you don’t need to wait for the official university semester start dates to actually start. You could start sooner.

5. “GO AT YOUR OWN PACE”/ASYNCHRONOUS. Self-schedule your tests.
   • As long as you complete all of the tests by the end of the semester (Aug. 4), test dates are otherwise unfixed/undefined. Some suggested planning schedules are shown on the following pages.
   • Online Homework assignments likewise have no fixed due dates, other than end-of-semester
   • For distance students testing with proctor, you can pretty much set up testing times with your proctor for whatever time fits your mutual schedules.
   • For those testing on-campus, I will offer on-campus testing at 12 noon on every Monday and Thursday. Testing on campus at other times may perhaps be available, by arrangement.
   • You can adjust on the fly, to some degree. For example, suppose you were planning to take Test 1 on Thursday May 25, but you realized that if you could study more and take it on the following Monday, 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…)

6. For each individual test, plan to finish the regular lectures a week (or most of a week) prior to when you actually intend to test, so you have time to practice. Practice makes perfect!
   • Organic has LOTS of information. Tests will require that you know how to USE the info.
   • So, doing a lot of practice problems, practice sets, and practice tests is crucial for test preparation.

7. “IT’S EASY TO PROCRASTINATE AND FALL BEHIND. TRY TO SET UP AN AGGRESSIVE SCHEDULE FOR YOURSELF SO THAT YOU GET DONE EARLY. THAT WAY IF YOU DO HAVE SOME SETBACKS, YOU’LL HAVE SOME CUSHION TIME.
   • If you schedule to take the full 12 weeks or 8 weeks, that will leave you no cushion in case job or other issues create a scheduling crisis and leave you unable to prepare adequately.
   • If you schedule to finish early, that provides some “extra” weeks in case you need them. Or, if you finish Organic early, wouldn’t it be nice to have some extra summer to enjoy? 😊

8. PROCTORED TESTS WILL NOT BE RETURNED. Given the flexible test-scheduling, I will not be able to send you copies of your graded tests. Sorry. 😞

9. The following pages have some info to help with scheduling.
**Suggested Test Schedules.** How Rigid is the Scheduling? When Will the Tests Be? If I have to/want to go on a trip, is it still possible to take these online courses?

- Other than completion by August 4, there is no hard/fast schedule for test dates
- These online courses are “asynchronous”, which means test scheduling is flexible and can be individualized. You can “custom schedule” them to fit your needs and availability.
- Any of the courses can be started early, well before the listed start dates.
- Shown are suggested possible schedule templates, for completing one or both of Organic I and II by August 4.

1. **11-week** Test Schedule for **Organic I** (CHEM341) (flexible, can be individualized)
   - [https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule11-week-341.pdf](https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule11-week-341.pdf)
   - May 16-end-of-July (needs to be done by Aug 4, can be finished much sooner)
   - Oriented for student who want to take as much time as possible, and just wants/needs Organic I
   - I estimate an average of 15 focused hours-per-week is an appropriate time allocation for a student whose chemistry aptitude is good.

2. **8-week** Test Schedule for **Organic I** (CHEM341) (flexible, can be individualized and started sooner)
   - [https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule8-week-341.pdf](https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule8-week-341.pdf)
   - June 13-Aug 4 (8-week window).
   - Oriented for a student who doesn’t want to start right off in mid-May, and just needs Organic I
   - I estimate an average of 20 hours-per-week (focused) is an appropriate time allocation

3. **6-week** Test Schedule for **Organic I** (CHEM341) (flexible, can be individualized)
   - [https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule6-week-341.pdf](https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule6-week-341.pdf)
   - May 16-June 22 (6 weeks)
   - Oriented for a student who wants to complete both Organic I and Organic II online, using June 23-Aug 4 (6 weeks) to take organic II online
   - I estimate an average of 26 hours-per-week (focused) is an appropriate time allocation

4. **4-week** Test Schedule for **Organic I** (CHEM341) (flexible, can be individualized and started sooner)
   - [https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule4-week-341.pdf](https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule4-week-341.pdf)
   - May 16-June 15 (4 weeks)
   - Oriented for a student who wants to use June 13-Aug 4 (8 weeks) to take organic II face-to-face
   - I estimate an average of 40 hours-per-week (focused) is an appropriate time allocation

5. **5-week** Test Schedule for **Organic I** (CHEM341) (flexible, can be individualized and started sooner)
   - [https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule5-week-341.pdf](https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule5-week-341.pdf)
   - May 16-June 19 (5 weeks)
   - Oriented for a student who wants to use June 13-Aug 4 (8 weeks) to take organic II face-to-face
   - I estimate an average of 32 hours-per-week (focused) is an appropriate time allocation

6. **8-week** Test Schedule for **Organic I** (CHEM341) (flexible, can be individualized)
   - [https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule8-week-341-MayStart.pdf](https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule8-week-341-MayStart.pdf)
   - May 17-July 10 (8-weeks)
   - For a student who just wants to finish Organic I, but wants to start in May and get done in early July. Doesn’t leave enough time to subsequently also complete Organic II.
   - I estimate an average of 20 hours-per-week (focused) is an appropriate time allocation

7. **8-week** Test Schedule for **Organic II** (CHEM342) (flexible, can be individualized and started sooner)
   - [https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule8-week-342.pdf](https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule8-week-342.pdf)
   - June 13-Aug 4 (8-weeks starting June 13)
   - For a student who just wants/needs Organic II online
   - I estimate an average of 20 hours-per-week (focused) is an appropriate time allocation

8. **6-week** Test Schedule for **Organic II** (CHEM342) (flexible, can be individualized)
   - [https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule6-week-341.pdf](https://www.ndsu.edu/pubweb/~jasperse/Online/Schedule6-week-341.pdf)
   - June 23-Aug 4 (6-weeks starting June 23)
   - For a student who wants both Organic I and Organic II online
   - I estimate an average of 26 hours-per-week (focused) is an appropriate time allocation
Links to Actual Online Organic Chemistry I and II Syllabi, Course Website, and their Lecture Video Pages

- clicking on the links should work, but if not you might need to copy and paste the url links into your browser to get them to open correctly.

1. **Syllabus** for Organic Chemistry I, CHEM341-online (2017)

2. **Syllabus** for Organic Chemistry II, CHEM342-online (2017)

3. **Website** for Organic Chemistry I, CHEM341-online (2017)
   - [http://www.ndsu.edu/pubweb/~jasperse/chem341online.htm](http://www.ndsu.edu/pubweb/~jasperse/chem341online.htm)

4. **Website** for Organic Chemistry II, CHEM342-online (2017)
   - [http://www.ndsu.edu/pubweb/~jasperse/chem342online.htm](http://www.ndsu.edu/pubweb/~jasperse/chem342online.htm)

5. **Lecture Videos** for Organic Chemistry I, CHEM341-online (2017)
   - [https://www.ndsu.edu/pubweb/~jasperse/Online/onlinelectures-341.htm](https://www.ndsu.edu/pubweb/~jasperse/Online/onlinelectures-341.htm)

6. **Lecture Videos** for Organic Chemistry II, CHEM342-online (2017)
   - [https://www.ndsu.edu/pubweb/~jasperse/Online/onlinelectures-342.htm](https://www.ndsu.edu/pubweb/~jasperse/Online/onlinelectures-342.htm)
“Rigorous but Reasonable”

1. It’s Organic Chemistry! Do you expect it to be easy? Of course not!

2. “Online” does not mean “Easy”!
   - These online Organic I and II courses are demanding course with high expectations, as you’d expect for organic chemistry courses at North Dakota State University

3. I cover the same material in the online courses that I teach during full fall-spring semesters. No more, no less; no harder, no easier.

4. I want to make things as understandable as possible, and provide as many resources as possible so that students can succeed. This includes:
   - lots of sample problems in class (as many as possible)
   - lots of good notes, so that we can spend a lot of class time on application
   - practice sets outside of class, with answer keys and videos discussing.
   - multiple practice tests, again with answer keys and videos explaining.
   - Online homework system, which always provides immediate right-wrong feedback and sometimes provides variably effective explanations or tips
   - Usually I’m pretty fast on email response, phone response, or office-hours

5. I want to maximize learning efficiency. Every student has competition for their time; so I don’t want to waste either our “in class” time, or the time you spend on studying.
   - I want time spent “in class” and out of class to be as learning-rich as possible.

6. Students in past have considered the pacing of class and the problems and practice tests to be very effective.

7. These are not super elitist courses. North Dakota State University is a great school, but I won’t assume everybody would be top students at Harvard or Yale!

8. The only pre-requisite is general chemistry.
Online Organic (I or II) is as Much Like “Normal” Course as Possible

1. I cover the same material in the online courses that I teach during full fall-spring semesters. No more, no less; no harder, no easier.

2. Lectures are recordings of my actual recent live lectures
   • Anything I’d project on the screen in a live classroom will be shown here.
   • Anything I’d say in a live classroom will be said here.
   • The pacing will be the same as for my live classes.
   • Content-wise, it’s just the same!

3. Pause and rewind: an online advantage!
   • In live class, if I talk too fast or a student is distracted, the moment is gone.
   • With the videos, you can rewind and review, and whenever you want.

4. Speed control: an online advantage!
   • If English is your second language, you can set the videos to play a little bit slower.
   • You can also set the videos to play a little bit faster.

5. Self-discipline/self-motivation/procrastination: the online challenge!

6. Study groups and sense of community and shared challenge is lost or harder.
   • In a regular class, you may study with friends, discuss problems with friends, and encourage each other if one gets discouraged.

7. Can I get help from the teacher?
   • For local students, I will still have office hours
   • I am usually very responsive to emails or phone calls.
   • “Virtual office hours” using Blackboard “Collaborate” can sometimes be used, with pre-arranged scheduling.

8. Will graduate/professional schools accept an online class instead of a face-to-face class?
   • On your NDSU transcript, there is no record of the class being online. The transcript does not say or display anything to indicate that the course was taken online.
   • NDSU records office says that they have never been contacted by a medical school or a professional school to ask/check whether or not a course was taken online.
   • Since the course content and expectations are identical to the face-to-face class, there is no inherent reason why a graduate/professional school should have a concern or a problem.
   • I have heard/read that “some medical schools will not accept online science courses, especially those with online labs. A hybrid course with online lectures and in-person labs may be acceptable. It is the student's responsibility to check the requirements for each school to which they are applying.”
     • [http://www.science.oregonstate.edu/pre-medicine-faqs](http://www.science.oregonstate.edu/pre-medicine-faqs)
   • Not sure how true or applicable or widespread that is.
Advantages and Challenges of Online Organic Chemistry Courses

1. Content Advantage: Pause and rewind!
   • In live class, if I talk too fast or a student is distracted, the moment is gone.
   • With videos, you can rewind and review explanation on difficult stuff
   • Sometimes, something made sense in class. But that night or days/weeks later, you don't remember the logic. With the videos, you can review.

2. Content Advantage: Speed control.
   • If English is your second language, you can set the videos to play slower.
   • You can also set videos to play faster.

   • Neither your friends nor I will be able to see if you’re “not showing up”.

4. Study groups are harder, and the sense of community and shared challenge is lost.
   • In a regular class, you may study with friends, and discuss problems with friends, and encourage each other if one gets discouraged.
   • That may not necessarily need to be lost. If a bunch of NDSU pre-pharmacy students are all taking online Organic I, for example, you could still study together, grade each other's practice tests, etc.
The challenge of summer pace: Enough Time and Enough Commitment are Essential

1. This has nothing to do with being online; it has to do with the speed of a summer class being faster than a normal fall or spring class.

2. An 8 week summer class is twice as fast as a 16-week fall/spring class!
   - During the fall, Organic I would basically be \( \frac{1}{4} \) of a full-time student’s load.
   - An 8-week summer course should be \( \frac{1}{2} \) of a full-time student’s load = 20 hours per week on average? (Between class, homework, the extra study time before a test,...).
     - Those hours are based on what’s supposed to be normal for an average course to get an average grade. Organic might take more work than average, and you might want a better than average grade!
   - To get through both Organic I and Organic II in 12 weeks is even faster!
     - 27 hours per week average

3. If you are trying to get through Organic I in 4 weeks, in order to start the live 8-week Organic II class on June 17, that’s basically a full-time job from mid-May through mid-June.
   - That should be basically 40-hours per week on average.

4. Practical: If you expect to excel, don’t be expecting to do summer organic courses (online or live) while working a full-time job.

5. Practical: Don’t plan to get through Organic I in 4 weeks or 6 weeks while working 25 hours a week, playing softball two nights a week, spending a lot of time on dates or with friends, and missing two weekends for weddings or fishing! 😊
These are FOR CREDIT Online Classes

This is an ACS-approved program (American Chemical Society approved)

• Be careful of online classes that are not for credit
• A Google search for free online organic chemistry classes shows several hits.

For non-NDSU students, printing a copy of the syllabi (for this year or last year if I don’t have this year’s up yet) may be useful (click on the links to the main Organic Chemistry I or II content web pages.)

• Your advisor or department chair may want to see these in order to approve these courses for your school.

• Organic I syllabus:
  • http://www.ndsu.edu/pubweb/~jasperse/Chem341/Syllabus-Chem341-online.pdf
• Organic II syllabus:
  • http://www.ndsu.edu/pubweb/~jasperse/Chem342/Syllabus-Chem342-Online.pdf
Price Summary: Tuition+Fees: Unofficially ≤$1100 (As of 2017. May change for later years....)
Same for Everybody.

- [https://www.ndsu.edu/bisonconnection/accounts/tuition/undergraduate_tuition_part_time/](https://www.ndsu.edu/bisonconnection/accounts/tuition/undergraduate_tuition_part_time/) (See “DCE” rate)
- Unofficial flat fee: $353.61/credit x 3 credits = $1060.83 for 2017
- Additional $35 fee for NDSU application
- No higher cost for online versus “face-to-face” courses during summer
- No higher cost for out-of-state students or international students compared to in-state students
- No higher cost for non-NDSU students compared to regular NDSU students.

1. ~≤$1.1K per course overall. (As of 2017).
   - ~$353.61 per credit (I think. 😃) x 3 credits = $1,060.83.
   - The ~$353.61-per-credit sums per-credit tuition (~$304.69) AND associated “class fees” (~$48.92)
   - I think the numbers are summer-2017 correct; but don’t kill me if modestly different....! 😊
   - The numbers listed are for 2017. Assuming I don’t update this regularly, assume some inflation for 2018 or 2019....
   - Note: These assume the 2017 policy in which all summer online students pay at the North Dakota resident rate. NDSU may change that policy for 2018 or 2019, who knows....
   - Website with the tuition listed:
     [https://www.ndsu.edu/bisonconnection/accounts/tuition/undergraduate_tuition_part_time/](https://www.ndsu.edu/bisonconnection/accounts/tuition/undergraduate_tuition_part_time/) (See “DCE” rate)
   - There is an additional $35 NDSU-application fee

2. **NOT MORE EXPENSIVE THAN LIVE, FACE-TO-FACE SUMMER COURSE.**
   - There is no extra cost for a summer online course compared to face-to-face course (see above website)

3. **Flat Fee:** Out-of-state students pay the same as do in-state or international students for summer online class
   - “Distance & Continuing Education (DCE) and Cooperative Education classes (in other words, online classes like these) are billed at the ND Residency tuition rate
   - This means there is no difference between in-state or out-of-state tuition
   - No difference between tuition for “regular” full-time NDSU students versus part-time summer students who are just registering to take courses
   - Just a nice, simple flat fee for anybody taking one of the online summer course.

4. Websites that details tuition situation and status for online courses. (For Jasperse use! 😊)
   - NDSU part-time tuition website: Lists what the North Dakota Residence Rate is (tuition, not fees).
     a. [https://www.ndsu.edu/onestop/accounts/tuition/undergraduate_tuition_part_time/](https://www.ndsu.edu/onestop/accounts/tuition/undergraduate_tuition_part_time/)
     b. Note: scroll down to “summer”, and look under “base rate”. Should be the same under both the “North Dakota” column and the “DCE & CO-OP per credit rate”
     c. Note: Listed there is the “tuition” rate per credit. Typically there is approximately $50 more dollars in “course fees”. So if the tuition “base rate” is $304/credit, with course fees it’s more like $354/credit.
   - NDSU “Campus Connection”: Another confirmation that “North Dakota resident per credit tuition/fees apply”. Look up the course using course search, then open the course and look under “class notes”.
     - [https://studentadmin.connectnd.us/psp/NDCSPRD/EMPLOYEE/HRMS/h/?tab=GUEST](https://studentadmin.connectnd.us/psp/NDCSPRD/EMPLOYEE/HRMS/h/?tab=GUEST)

**Notes**

**Class Notes**

Web based course. Students will be contacted at their @ndsu.edu email accounts by the instructor during or by the first week of classes. Credits for this course count toward totals for financial aid, but are not covered under tuition cap and are not eligible for NDSU tuition waivers (with the exception of NDSU employee waiver). May not be taken via Tri-College registration. North Dakota resident per credit tuition/fees apply unless otherwise noted.
Getting Registered for NDSU and for the Course, for non-NDSU Students:

Summary: Apply (send official transcripts) > Get admitted > Request Permit > Register AND PAY

- HELP: NDSU OneStop: [https://www.ndsu.edu/onestop/](https://www.ndsu.edu/onestop/)
- Phone: (701) 231-6200, or 1-866-924-8469 (toll free)

1. **NDSU application**: Apply to NDSU as a “Non-degree seeking student” student before you can register.
   b. Apply: [https://app.applyyourself.com/AYApplicantLogin/f ApplicantConnectLogin.asp?id=NDUSNSDU](https://app.applyyourself.com/AYApplicantLogin/f ApplicantConnectLogin.asp?id=NDUSNSDU)
   - There is an application fee. ~$35, as of 2017
   c. YOU WILL NEED TO HAVE OFFICIAL TRANSCRIPTS SENT FROM RECENT SCHOOL(S) (2 years)
      - For most schools, use: [http://www.getmytranscript.com](http://www.getmytranscript.com)
   d. NDSU approval usually takes about 2-3 weeks, AFTER all official transcripts have been received.
   e. Email notification will include a 7-digit NDSU Student ID number. Save/record 7-digit ID!
   f. Do “New Student Setup”: [https://www.ndsu.edu/its/help_desk/account_hub/new_students_activate_your_ndsu_it_services](https://www.ndsu.edu/its/help_desk/account_hub/new_students_activate_your_ndsu_it_services)
      - This will set up your login/password for “campus connection”, the site used to register for class, pay, etc.
   g. Approve “Financial Obligation Agreement”: [https://www.ndsu.edu/onestop/accounts/foa](https://www.ndsu.edu/onestop/accounts/foa)
      - Campus Connection login page: [https://studentadmin.connectnd.us/psp/NDCSPRD/EMPLOYEE/HRMS/h/?tab=GUEST](https://studentadmin.connectnd.us/psp/NDCSPRD/EMPLOYEE/HRMS/h/?tab=GUEST)
      - Until you check off on the Financial Obligation Agreement, you won’t be allowed to register for any classes.
   h. For Jasperse convenience to access: NDSU admission information page with links: [http://www.ndsu.edu/admission/admission_information/non_degree_students/](http://www.ndsu.edu/admission/admission_information/non_degree_students/)

2. **Timing, Dates, and Time Deadlines**:
   a. **One section of organic I formally starts on May 16 (2017).** Organic II and a second section of Organic I start June 13. Both early or late starts are feasible for any of these courses. All must complete by August 4 (2017).
   b. **Class registration for “non-NDSU” students probably opens on Monday, April 24 (2017)**
   c. In practice: Application materials AND OFFICIAL TRANSCRIPTS should all have been sent to NDSU by April 25 to safely enable NDSU admission for the May 16 course. For the June 13 sections, May 23 should suffice.
   d. For Jasperse to remember: The drop-dead NDSU admission deadline is normally the Friday prior to the 8-week session. For 2017, that’s Friday June 9th. If application materials and official transcripts aren’t all in and approved by that day, it’s too late.

3. **Class Permit Request**: Not having been an NDSU student, you won’t have taken NDSU’s prerequisite courses, and thus will need a “permit” to actually register for either course. **To request the permit(s), email the following information** to both: NDSU.CHEMISTRY@ndsu.edu and craig.jasperse@ndsu.edu
   a. Your **Name**
   b. Your NDSU ID# (you won’t have this until after your NDSU application has been completed (see 1a-d)
   c. **What state (or country) you live in and what school (if any) you attend.**
   d. **The class you Want to Take** (specify CHEM341 online, or CHEM342 online, or both.).
      - Be sure to specify if you want to TAKE BOTH courses or just one.
   e. Where/how you satisfied the prerequisite(s). Example: “GenChem II at Iowa State, Fall 2016”

4. **Register AND Pay: Actually register for the course(s). (2017, probably opens April 18)**
   a. Fast-Add add Classes website: [https://www.ndsu.edu/onestop/connect/add](https://www.ndsu.edu/onestop/connect/add) (below are ID’s for 2017)
      a. **Organic I-Online**: CHEM341 Class ID: 6300 (for 2017) (May 16-start section)
      b. **Organic I-Online**: CHEM341 Class ID: 6701 (for 2017) (June 13-start section)
      c. **Organic II-Online**: CHEM342 Class ID: 6301 (for 2017) (June 13-start section)
   b. **http://www.ndsu.edu/Registrar/registrar/registration** (Fuller registration website, which directs you through steps.
   c. Until you complete **PAYMENT**, you’ll never be able to get your grade released. Can pay inside the following:
      - Campus Connection: [https://studentadmin.connectnd.us/psp/NDCSPRD/EMPLOYEE/HRMS/h/?tab=GUEST](https://studentadmin.connectnd.us/psp/NDCSPRD/EMPLOYEE/HRMS/h/?tab=GUEST)

5. **Tuition+Fees: Unofficially ≤$1100 (As of 2017. May change for later years....) Same for Everybody.**
   - [https://www.ndsu.edu/bisonconnection/accounts/tuition/undergraduate_tuition_part_time](https://www.ndsu.edu/bisonconnection/accounts/tuition/undergraduate_tuition_part_time) (See “DCE” rate)
   - Unofficial flat fee: ($309.46 tuition/credit + $48.92 student fees/credit) x 3 credits = $1060.83 for 2017
   - No higher cost for online versus “face-to-face” courses during summer
   - No higher cost for out-of-state students or international students compared to in-state students
   - No higher cost for non-NDSU students compared to regular NDSU students.
Getting Class Permit (“Override”) to override NDSU Prerequisites. Needed if you are either not a regular NDSU student who took NDSU’s General Chemistry II or Organic I course, or if you are taking both Organic I and Organic II during this same summer

- Special class permits will often be required in order to register for some of the summer Chem 341/342 courses, whether online or not. This document will first detail what to do, then summarize some of the common situations where a class permit will be needed.
- Not having been an NDSU student, you won’t have taken NDSU’s prerequisite courses, and thus will need a “permit” to actually register for either course.

What to do if a class permit is required to register:

1. **Email** the following information (see #2) to the following two email addresses. (Emailing to me usually not necessary, but sometimes I’ll need to authorize permission for the chemistry office staff to actually enter that permission into the computer system):
   - NDSU.CHEMISTRY@ndsu.edu
   - craig.jasperse@ndsu.edu

2. **Information to include in the email:** Include the following **information in the emails you send**:
   a. **Name**
   b. **NDSU ID#** (you won’t have this until after your NDSU application has been completed)
   c. **What state (or country) you live in and what school (if any) you attend.**
   d. **The class you Want to Take** (specify CHEM341 online, or CHEM342 online, or both..).
      - Be sure to specify if you want to take BOTH courses or just one.
   e. **Where/how you satisfied the prerequisite(s).** Example: “GenChem II at Iowa State, Fall 2016”
      - Prereq for Organic I is General Chemistry II
      - Prereq for Organic II is Organic I

Some situations which might require a special permit. (There may be others).

3. **You want to take both CHEM341 and CHEM342.**
   - A class permit for CHEM342 will be needed.
     - Doesn’t matter whether CHEM342 is online or face-to-face.
     - Why: The registration computer blocks Organic II because it doesn’t think you have completed Organic I yet.
       - Since you’re registering during the spring, the computer figures you won’t have completed CHEM341 when the spring semester ends. It’s not programmed to understand that you may be able to do so during the early summer.

4. **Prerequisite courses taken at a different school.**
   a. This will also apply to any non-NDSU student trying to register for CHEM341
      - NDSU’s CHEM122, General Chemistry II, is a prerequisite for Organic I. If you took your general chemistry at a different school, you’ll need a class permit to register for Organic I.
      - This may also apply to students who transferred to NDSU, perhaps some time ago, but after taking general chemistry at a different school.
   b. This will apply to students trying to register for CHEM342 after taking Organic Chemistry I at a different school.
      - NDSU’s CHEM341, Organic Chemistry I, is a prerequisite for CHEM342. If you took your organic chemistry I at a different school, you’ll need a class permit to register.
**What About Lab?**

1. **Online lab is **not** available! 😊 (Surprise!)**

2. Lab (1 credit) and lecture (3 credits) are separate courses as NDSU. They do not need to be taken concurrently.
   - Pre-pharmacy students routinely take Organic I lab after taking Organic I lecture

3. NDSU offers Organic I labs during each of the fall, spring, and summer semesters
   - Summer labs are during the 8-week terms (mid-June through first week of August)
   - Organic II labs are available during summer and spring but not fall

4. Non-NDSU students: if your school has combined organic lecture/lab course, then my online lecture-only courses will probably not transfer well or work well for you. But if your school also has labs separated, as at NDSU, then these courses will transfer well.
**Do you have the Technical Capacity to play the online videos effectively?**

- Note: Most videos were created using either “Tegrity” or “Panopto”. You will want your computer able to play videos of both types.

1. Tegrity Diagnostic: [https://supportu.tegrity.com/#/diagnostic](https://supportu.tegrity.com/#/diagnostic)

2. Panopto Test (this doesn’t give you a “diagnostics” page, but should load and play if everything is fine):
   - Podcast Panopto (may want to copy and paste link): [http://coursecast.mnstate.edu/Panopto/Content/Sessions/bad2da5d-3bab-45b9-8ed0-4bfa6a83afdf/4c75611e-583d-4186-8ee2-b0d2ee7613a0-3c28dc83-5922-4d1b-baca-b4c1f16d9b02.mp4](http://coursecast.mnstate.edu/Panopto/Content/Sessions/bad2da5d-3bab-45b9-8ed0-4bfa6a83afdf/4c75611e-583d-4186-8ee2-b0d2ee7613a0-3c28dc83-5922-4d1b-baca-b4c1f16d9b02.mp4)
   - Streaming Panopto (may want to copy and paste link): [http://coursecast.mnstate.edu/Panopto/Pages/Viewer.aspx?id=ee9b1109-7b18-4caa-8065-38ab25c74561](http://coursecast.mnstate.edu/Panopto/Pages/Viewer.aspx?id=ee9b1109-7b18-4caa-8065-38ab25c74561)

- Note: if your internet speed was fine for Tegrity, it will also be fine for Panopto
**Online Homework:**

1. Sapling online homework:
   - See links from regular class website
   - Chem341:  [http://www.ndsu.edu/pubweb/~jasperse/chem341online.htm](http://www.ndsu.edu/pubweb/~jasperse/chem341online.htm)
   - Chem 342: [http://www.ndsu.edu/pubweb/~jasperse/chem342online.htm](http://www.ndsu.edu/pubweb/~jasperse/chem342online.htm)

2. Provides:
   - Good practice
   - Immediate feedback
   - Some (not all) problems give some feedback on wrong answers
   - Many problems give some tips for solution

3. Effort-based boost to grades. (It’s easier to score high on Sapling than on tests)