

**Fall 2015 Organic Chemistry II Lecture CHEM 442
(section 001 - MWF 12 to 12:50 noon)**

Professor: Dr. Juliet Hahn
office: Neckers C325
phone: 618-453-6409 **email:** jmhahn@chem.siu.edu (**easiest way to get a hold of me**)
(this email may not yet work (alternate email): JulietHahnPHD@yahoo.com)

class time: CRN 67363 MWF 12:00-12:50 pm in Neckers 218

office hours: 4 – 5 pm MW; 10-11 am MF & other times by appointment. (Please email me to make an appointment. If you need me, I will always find the time to meet with you.) I will also usually be available most days before and after my lectures. I am almost always in my office during normal business hours from 9 am to 4 or 5 pm M through F. I am usually not in my office during lunch time because I also teach the Organic II Lecture (Neckers 218 12 to 12:50 am) and also usually go to the cafeteria. (I do not wish to informally meet with my students so do not follow me to lunch to ask me office hour type questions.) I have a log sheet on my office door so you can tell if I have left for the day. If I am somewhere else other than my office, I always leave a note saying where I am and when I will be back so you can follow me. The lecture class is independent of the lab class so you will receive an independent grade for the lecture. **I am the Primary Instructor of record for this class and will be assigning your final grades.** (I am not a non-primary instructor.) They have reassured me that the paperwork will be completed very soon. (I have a doctorate in Chemistry & I am a US citizen so this is not difficult paperwork.)

For the Lecture you will need: **Required:** (a) **Textbook**, “Organic Chemistry” (8th edition) by John McMurry (ISBN: 978-0-8400-5444-9, publisher Brooks/Cole Cengage Learning). (b) **I-Clicker** – available in bookstores or online: <http://www1.iclicker.com/> You will earn attendance and daily multiple choice question points with these so this is a must. (c) **scientific calculator**: To perform calculations in this course, you will need an inexpensive “scientific calculator”. You can buy such a calculator for around \$5 to \$10.00 at the local discount store. You will be able to use your calculator on all exams. You will **not** be allowed to use a cell phone as a calculator on quizzes & exams. **Optional:** You may also want to get (d) **solutions manual** “Study Guide and Student Solutions Manual for Organic Chemistry” (8th edition) by Susan McMurry Brooks/Cole Cengage Learning, ISBN-13: 978-0-8400-5445-6 (e) **molecular model kit**: Molecular Visions (or other brand)

Quizzes and exams (& answer keys) will be posted online at <http://JulietHahn.com> after you take the quizzes and exams. I will also post the answer key for quizzes and exams immediately after you take the quizzes and exams either outside my office Neckers C325 or outside the lecture room Neckers 218. **I do not allow students to take the same exam or quiz which I gave everyone else at a later time. You can tell because I will post the answer key almost immediately after the quiz or exam.** Please download the blank form of the quiz & work through the quiz to study for the exam. Please download the blank form of the exam & work through the exams to study for the final exam. You will **never ever** see the same question given on a quiz also on an exam. (The idea is to **understand** the questions on the quizzes & exams.)

If you go to the <http://JulietHahn.com> website now, you will be able to see some quizzes and exams from my exams (for General Chemistry) when I was a professor at Francis Marion University.

Grading: Grading will be based on a percentage of 650 total points

3 exams (100 pts per exam, ~1/3MC, ~1/3SA, ~1/3LA**)	300 pts
final exam (cumulative ~1/3MC, ~1/3 SA, ~1/3 LA**)	200 pts
6 quizzes (drop 2 quizzes, 25 pts each quiz, SA & LA**)	100 pts
I Clicker attendance & class participation points	50 pts
(Iclicker questions will be all multiple choice questions. Half of your iclicker points will be for showing attendance by clicking on any answer. The other half of your iclicker points will be for correctly answering the multiple choice question.)	
Total points	650 pts

[MC= multiple choice on scantron forms, SA = short answer, LA = long answer or word problems]

The grading scale will be the standard grading scale. 90 % & above A, 80 % & above B, etc. The letter grade will never be curved to give a lower letter grade than the standard (i.e. 80% will not be considered to be a C). I do sometimes stretch the lower limits (below C) to your advantage.

Homework: I will assign homework from the McMurry hardcopy text which has answers in the McMurry solution manual but I will neither collect nor grade them. I am going to assume that you are mature grown up people who know that sustained hard work is the secret to doing well in anything. The assigned homework will be similar to the questions which will appear on quizzes and exams.

Some Useful Information: Organic Chemistry is not some far away, antiseptic, horrible, technological monstrosity of the 21st century and organic chemicals are not some maiming, toxic substance from which we all have to keep a distance. The bodies of all living organisms are largely made up of organic chemicals. Almost everything that you eat are organic chemicals. Almost everything that you wear are organic chemicals. [organic chemicals: polyester, plastics, nylon, nutrasweet, ink in your pens, liquid crystals in your LCD watches and TVs., fats (in your thighs, your cake), almost all pharmaceuticals (AZT, taxol), pesticides, styrofoam, perfumes, rubber]. Organic chemicals are everywhere! Organic Chemistry is going to be a lot of work, but you will learn a lot and hopefully have some fun doing it. **(If Organic Chemistry is not a lot of work, then you may be doing something wrong and your grades may reflect this.)**

Chemistry 442 is the second semester of a two semester sequence of Organic Chemistry lecture. We will cover the second half the chapters in the text this semester. Do not get too cocky from having done well in your high school science classes or your freshman General Chemistry class to think that you will do well on this course by just being smart. Do not think that just because the class's name says "...Chemistry" that the class automatically will be too boring, too scary, too hard, too much like your high school chemistry class for you to enjoy and do well. Think to yourself: **I think I'll really work on this course and maybe I'll actually (gasp #1) get an A on the class and/or (gasp #2) enjoy the class.** Choose whichever gasp you like better :) Just keep in mind that **no matter how smart you are**, you will not do well on this course without a **lot of hard work**.

Attempt points (iclicker points) can pull you up by half a letter grade. Conversely if you do not try you will lower your final letter grade by almost half a letter. [Don't show up to class and don't click when prompted during lecture – lose 3.8 of the final percentage points. Don't answer clicker question correctly – lose another 3.8 percentage points to give a grand total of 7.7 percentage points with **"attempt points"**.] [If you have a 73 % (C) by exams and quizzes, if you get all of the clicker points, your final grade will be 80.7 % points (B).

I do not adjust final grades up if you are close to the borderline because I feel that you are a good student (or because I like you). **You can pull yourself** up to a higher grade from the borderline by showing up to class and paying attention to the lecture and answering the clicker question correctly. You should be able to

answer the clicker question correctly by paying attention in class. The clicker points are all documented by hardcopy evidence.

The grade that you earn in this class will be directly related to how much time you spend preparing for the class. **The biggest secret to doing well in this course is to keep up with the lecture material.** The biggest mistakes that students make which results in a bad grade in the course are: **1) not attending the lecture 2) not keeping up with the lecture material and attempting to cram the night before every exam 3) thinking that just understanding the lecture material means that you will do well on the course – you have to actually work at least the problems on the quizzes immediately prior to the exam, the example worked problems from the lecture and for a better grade the homework problems.** When I say you have to work the problem, I mean that you have to do the problem from scratch to obtain the final correct answer. (i.e. write out the entire mechanism without looking at the answer key.) **Just looking at the worked problem and sort of understanding it does not count as having done the problem.** If you make one of these three common mistakes, you will not learn anything. (You will also get a bad grade on this course.) Organic Chemistry is going to be a lot of work. **(If Organic Chemistry is not a lot of work, then you may be doing something wrong and your grades may reflect this.)**

The following is my suggestion for what you should do to study for this class. If you have no time, do the things listed first by no time. If you have more time and want a better grade, do the things listed by lots of time. **(no time: attend class, study the 2 quizzes given immediately before the exam, study lecture notes, rework the example problems in the lecture, do assigned homework problems, read the book :lots of time)** **Class attendance is very important to doing well on this course. Not coming to class and not taking the quizzes and exams are the surest way to get an F on the class.**

Please come to class the lecture between the quiz and the exams. We will review the quizzes and make sure that everyone understands everything on the quizzes before the exam. However you should not simply memorize the quiz because I will **not** give the same questions on the exams as appeared on the quiz. The idea is **to understand** the quiz before the exam not to simply memorize everything in sight.

For Missed Exams, Quizzes, Final Exam: (VERY IMPORTANT)

There will be no makeup exams, quizzes or final exam without a documented excused absence. **There is no make up exam and no make up quiz.** If you miss the **final exam with documentation**, I will give you an incomplete and give you a **make up final exam** which is very different from the final exam which I gave everyone else. **I NEVER GIVE THE SAME QUIZ OR EXAM AFTER I GIVE THE QUIZ OR EXAM TO THE CLASS.**

1. **Exam:**

a. no documentation excuse: For **one and only one exam** (with no documented excuse), I will replace your missing exam grade with your final exam grade. After the first undocumented excuse, you will earn a zero for any subsequent undocumented missed exam. (ie If you miss one exam with a no documentation excuse, I will replace your missing exam with your final exam grade. If you miss a 2nd exam with no documentation excuse, you will earn a zero on that exam, etc.) **If you miss none of the exams, I will replace your lowest one (and only one) exam grade by the final exam. (This assumes that one of your exams was a lower % grade than the final exam.)**

b. documentation excuse: **If you have documentation** for a missed exam, I will replace your missing exam with either your own average for your other exams (prorated for difficulty) or your own final exam grade (whichever is higher).

2. Quiz:

- a. **no documentation excuse**: You will earn a zero for a missed quiz but you get to drop 2 zeros with no documentation. If you miss no quizzes then you will get to drop your 2 lowest grade quizzes instead.
- b. **documentation excuse**: If you have documentation for a missed quiz, I will average your own quizzes and prorate the difficulty of the quiz and plug in for your missing quiz.

3 **Final Exam**: Because of the importance of the cumulative final exam, if you miss the final exam without documentation, you will **earn a zero for the final exam**. If you miss the final exam with documentation acceptable to me, I will give you an **incomplete** (because of the grading deadline) until I have time to give you a makeup final exam. The makeup final exam will be totally different from the final exam which I gave the rest of the class.

Under no circumstances do I ever give the same quiz, exam or final exam for any missed quiz, exam or final exam. There is absolutely **no strategic advantage to not taking a quiz, exam or final** together with the rest of the class. I usually post the hard copy of the answer keys for all quizzes and exams almost immediately after the class has taken the quiz or exam. It takes me at least 2 to 3 days to write a new and different exam or final exam.

An averaged grade to plug in (for an excused absence) is derived by the following equation. For example if you have a documented excuse for missing Quiz II, your plug in Quiz II grade will be calculated as follows:

$$(\text{missing Quiz II grade}) / (\text{class Quiz II average}) = (\text{your average all quizzes}) / (\text{class average all quizzes})$$

Please provide me a hard copy of your documentation for my files ASAP. Even if you gave a hardcopy of the documentation to some other office, you must give me a copy for my files because excuses are not shared between offices. **Examples of valid excuses** include: medical grounds, death in the immediate family, documented weather related transportation problems and university business. You must have hardcopy documentation such as a doctor's signed note on letterhead, newspaper article for funeral listing your name or a letter from a professor stating that you worked on behalf of the university on the given date. Examples of working on behalf of the university could be that you were a part of an official university sports team or that you represented the University at a conference. **Examples that are not valid excuses** include: personal problems, going away for the weekend, intramural sports, etc. You will be allowed to drop two lowest quiz grades and one lowest hour exam grade will be replaced by the final exam grade with no documentation. You will not be allowed to drop the final exam.

If you come to class the day of the exam for the 11 to 11:50 am class at 11:50 am, I will not let you take the exam. This would be a missed exam. If you come at 11:40 am, you will be able to take the exam only until 11:50 am. If you have a good reason for missing an exam or quiz, please ask me rather than just assuming that it is not an acceptable excuse. I am a reasonable person.

The exams will cover the materials discussed in class. Unless specifically mentioned, exams will not cover materials in the textbook that were not discussed in the class. However it is strongly recommended that you read the text. Exams and the final exam will have almost identical format. Quizzes will be mostly short answer and long answer. ****An exam will be a mixture of multiple choice (MC), short answer/fill in the blank (SA) with two long answer (LA) questions per exam****. A long answer question is a question which will have a half page to a full page blank for which you will have to show your work for solving some sort of word problem. You may be asked to write a few sentences to explain something for

the long answer question. Exams will be similar to the quizzes however you will never get an identical question on an exam which you got on a quiz.

When you get back your graded quizzes and exam you will also get an answer key with a list of points for common mistakes. Check your graded exam/quiz against the answer sheet. **Keep in mind that I am grading ~ 50 (+ 150 Organic I exams) six to ten page exams (with partial credit) by myself and I am a human being so you are supposed to check for human error. (Help me by checking for human error.)** You will get to keep your exams & quizzes to study so that you learn from your mistakes. You will get partial credit for LA (& some SA) questions. If there are any mistakes on the graded exams any requests for regrades **must** be made during the class in which the exam or quiz is returned in writing. Once you leave the class, any requests for regrades will **not** be honored.

Pay attention in class and follow the syllabus. I am the only one who is the primary instructor (professor of record) and teaching the two sections of Organic Chemistry I Lecture and the one section of Organic Chemistry II Lecture this semester. I am the only one who is deciding on how these particular sections of this class will be run. **The way that another Instructor taught this class in a prior semester or “that is the way it is always done” does not apply to this class.**

I personally make up all of the exams & I personally grade all of the exams. I never let undergraduate or graduate students, staff or other faculty help me grade the exam – not even to add up the final points. Because there is partial credit, this policy ensures consistency in grading. Yes it is a lot of work but I want everyone to get exactly what they earned from their work and not a point more or a point less. (I have given almost the identical type of exam while teaching 300 Organic lecture students with the same number of exams and quizzes so I am sure that I can do this.)

Absences: If you miss a class, it is your responsibility to obtain the lecture notes and any class assignment given out during the classes you missed. I will not redo the lecture individually for any person who missed a class or give out my lecture notes for the missed classes. **Missing a class during which I give an assignment (such as a change in exam date) does not excuse you from the assignment. It is your responsibility to contact classmates or me either before your missed class period or as soon after missing the class as possible.** [I will post presentation lecture notes at <http://JulietHahn.com>.]

Students with Disabilities: Students who have special conditions as addressed by the Americans with Disabilities Act should notify the professor of the course immediately. **Academic Dishonesty:** Academic dishonesty in any form will not be tolerated. University regulations on academic honesty will be strictly enforced throughout this course. Academic Dishonesty includes having a friend do your clicker question on days when you are not in class. **Drop Date:** The last date to drop this class without academic penalty is 9/4 Friday (drop without W). Last day to withdraw from the class is 10/30 Friday (will get a W) **Cell Phones and Electronic Devices:** Please turn off cell phones and electronic devices before entering the classroom. Use of cell phones is strongly discouraged in the classroom. You may **not** use your cell phone as a calculator during an exam or quiz. **Pre-requisite: C or better in CHEM 340, 341, concurrent enrollment in 443 is recommended**

Schedule of Reading Assignments: Please plan ahead. Here is your entire semester schedule. We will spend about a week per chapter and will cover each chapter consecutively until the end of the semester. We will start with a review of Organic Chemistry I. We will then cover Chapter 14 to Chapter 24 (inclusive). This reading assignment schedule is not chiseled in stone and may change during the semester. (**Exam & Quiz dates are chiseled in stone.**) I suggest that you skim the chapter before the material is covered in class and actually read (in detail) the sections covered in class after the material has been gone over in class. (skim = read introduction, conclusion, flip through book noting the major examples, figures and section headings in the chapter) I cannot cover every detail in the textbook if I need to cover all the needed chapters, so I skip around. (This is why you should read after I go over the material in class.) You will receive homework problems to do during the class (not collected and not graded). **Exams (E) will take up an entire class period. Quizzes (Q) will be given in the last 15 minutes of class.**

<u>dates</u>	<u>chapters</u>
8/24M, 8/26W, 8/28F, 8/31M	review
9/2W (Quiz I), 9/4F, 9/7M (Labor Day Holiday), 9/9W, 9/11F	14
9/14M (Quiz II), 9/16W, 9/18F	15
9/21M	Exam I
9/23W, 9/25F, 9/28M	16
9/30W, 10/2F, 10/5M (Quiz III)	17
10/7W, 10/9F, 10/12M (fall break) , 10/14W	18
10/16F, 10/19M (Quiz IV) , 10/21W	19
10/23F	20
10/26M	Exam II
10/28W, 10/30F	20
11/2M, 11/4W, 11/6F	21
11/9M (Quiz V), 11/11W (veteran's day), 11/13F, 11/16M	22
11/18W, 11/20F, 11/23M (Quiz VI)	23
11/25W to 1/27F (Thanksgiving Holiday)	
11/30M	24
12/2W	Exam III
12/4F, 12/7M, 12/9W (work sheet)	24
12/11F	review

Final Exam: 12-12:50 pm MWF class – 12/14 Monday 12:30 to 2:30 pm

Holidays: **Labor Day** – 9/7 Monday, **Fall Break** - 10/10 Saturday to 10/13 Tuesday, **Veterans Day** – 11/11 Wednesday, **Thanksgiving** – 11/25 Wednesday to 11/29 Sunday

Academic Schedule: **Last Day to Withdraw without Penalty** .. 9/4 Friday (drop without W), **Last Day to Withdraw** .. 10/30 Friday (will get a W),

final grades due 12/21 Monday at 3 pm

One final point, my objective is to teach Organic Chemistry to everyone in this class. I want you all to do well because you are my students. If you have any difficulties, please come to see me before your difficulties cause irreparable damage. I may be able to advise you on how to best study for this class so that you spend your time for the best effect. Do not just stop trying without coming to see me first.

Suggestion: Go to <http://JulietHahn.com> to download my quizzes (and exams) and use these as worksheets to study for the exams (final exam)

Syllabus Agreement Form, Information Sheet & PIN number selection

I have read and understand the policies stated in the syllabus for Dr. Hahn's CHEM 442 Lecture class for the Fall semester of 2015. All questions have been answered to my satisfaction. By signing this sheet I agree to abide by the policies stated therein.

Your signature _____ Dr. Hahn CHEM 442 Lecture Fall 2015

Print your name: _____ Date submitted: _____

***** Information Sheet

contact phone # _____ contact email address _____

major _____ year (please circle one) fresh, sophomore, junior, senior, other

if other please explain _____ last chemistry course _____

when (year, semester) _____ where (here, other) _____ cumulative GPA _____

grade received on last chemistry course _____

other science courses taking currently (give course name) _____

Are you doing research? (yes, no) If so with whom? _____

Why are you taking this class? _____

hobbies: _____

Feel free to tell me anything else you would like me to know about you: _____

***** PIN Selection

I _____ (sign name) give Dr. Hahn permission to

post my grades by using the PIN # _____ for the Fall 2015 semester for CHEM 442

(Organic Chemistry II Lecture) I may opt out of having my grades posted (Do not use your SS#,

or anything identifiable to ensure the security of your posted grades.) I also [(do) or (do not)] (circle one)

give Dr. Hahn permission to return my actual exam in a self serve fashion in folders (return inside your manila folder in the hanging file folder by **first letter of last name**)