

CHM 2211, Organic Chemistry II, Summer B 2014, CLB C130

Section 4207: MTWRF – Period 2 (9:30AM – 10:45AM)

Section 5280: MTWRF – Period 3 (11:00AM – 12:15 PM)

Instructor: Dr. Jason D. Portmess (Dr. J)

Office: SIS 329

Email: Via E-Learning/Sakai Site (<https://lss.at.ufl.edu>)

Office Hours: See Schedule-Sakai

Course Description: This is the second of two basic courses that describe the chemistry of carbon compounds. Specific topics to be covered include infra-red, NMR and UV spectroscopy, the main functional group inter-conversions of carbonyl based functional groups (aldehyde, ketone, carboxylic acids and their derivatives), amines, new carbon-carbon bond forming reactions, and the electronics and structure reactivity of aromatic compounds. A solid understanding of the functional group recognition and transformation reactions of alkanes, alkyl halides, alkenes, alkynes, alcohols and epoxides are expected. The importance of understanding and writing detailed mechanisms will be emphasized throughout the course.

Text: Brown, Foote, Iverson, Anslyn, *Organic Chemistry*, 6th Edition (highly recommended) and accompanying, *Solutions Manual*, *Organic Chemistry*, 6th Edition (recommended – **with caution...it can be addictive**).

Exams: Progress (assembly) Exams 1-3 will be given from 7:00-8:30PM on the dates below in room locations which will be announced in class.

Exam 1 – Thursday, July 10

Exam 2 – Thursday, July 24

Exam 3 – Thursday, August 7

Considerations for scheduling conflicts (religious holidays, higher ranking assembly exams, and university sponsored events) will be made but must be presented to the instructor 5 days prior to the scheduled exam.

ALL EXAMS ARE CUMULATIVE!

Grading: I find in life it is best to exceed expectations rather than relying on the performance of others to dictate outcome. Therefore, in order to earn the grade that you expect, you must perform at a certain level. There are no dropped exams but bonuses will be awarded for improving upon your personal best performance. An adjusted grading scale has already been integrated into the course (see below). These letter grades are guaranteed, so.....Go get it!

A/A- 89.50-100%

B+/B/B- 77.50-89.49%

C+/C 60.00-77.49%

C-/D 50.00-59.99%

E less than 50.00%

All grade cutoffs will be determined by the instructor.

Attendance: No one is here to hold your hand, but success in this course can be highly dependent upon your attendance of lecture (see course statistics on Sakai). The ability to ask questions and experience first-hand what is being taught is very important to the learning process and almost essential for understanding some of the detailed concepts presented in this course. It is the responsibility of the student to obtain any notes, in-class assignments that are due, etc. that may have been missed during lecture. Always remember, it is your choice whether you decide to attend class or not.

RULES OF THE CLASSROOM:

Rule #1: The use of electronic devices (i.e. phones, laptops, game systems, calculators, etc.) are prohibited during lectures/exams without the consent of the instructor (note taking tablets are permitted). Please turn them off prior to the beginning of all lectures and exams. Failure to comply with this rule may result in your dismissal from the lecture room or receiving a zero during an examination.

Rule #2: If you can't comply with Rule #1...DON'T ATTEND!

Doing Problems: *I study all the time, I go to the Train with a Tutoring Edge, I understand what you are saying in the lectures, I attend all of the lectures, I outline the chapters and I do all of the problems. So how come I got a 58 on the exam?!?!"* This type of question is as frustrating for me to answer as it is for you to ask. My best advice to you - work as many problems as YOU can. DO THEM UNTIL YOU PUKE...AND THEN DO MORE. Really, *honestly work* them - write it out on paper, balance equations, draw arrows. *Don't* turn to the solutions manual immediately! This is a fatal mistake that students make all the time. Maybe this will sound familiar..."*Let me just see how they did it... Hmmm...Yep, that's what I thought the answer would have been. Next question...."* Before you know it, you have tricked yourself into believing that you understand the problems, but then the test comes along and you don't know where to begin and a panic attack ensues unlike many of you have not experienced in a classroom setting. This is Organic Chemistry – You are not in Kansas anymore. This is not a scare tactic but reality. In order to be successful in this course, YOU must be able to apply what YOU have learned to new situations. The best way to acquire this skill is to work *a lot* of problems. The more problems YOU attempt, the more YOU will learn. It's that simple. Watching me, teaching assistants or even paid off-campus services solve problems will not acquire a skill for YOU to use any more than watching Michael Phelps work out will make you a better swimmer. If you are not the one getting frustrated then you are not the one who will do well. If you aren't the one puking from doing more problems in a single subject than you have ever done in your life....then you will be the one wondering "*what happened?*" after your exam.

"*So how many and what problems should I attempt from each chapter?*" There are two basic philosophies in practicing anything to acquire great skill (physical or mental). Some people practice things until they get it right and some practice things until they can't get it wrong. Which group do you think are the most successful and in which group do you want to be? Answer these questions and you will know how many and what problems to do but if any problem requires a calculator – FORGET ABOUT IT!

FINAL NOTES:

If you did not know how to swim and you were thrown into the deep end of the pool you would scream for help. You wouldn't worry how people would think of you and the fact that you couldn't swim. If you feel like the waves of organic chemistry are beginning to crash around you, come and get help before it is too late. *Getting help is not a sign of weakness...it is a sign of strength.* The following represent my recommendations in order of preference:

Free Help:

1. **Dr. J's Office Hours (TBA):** These are displayed on Sakai and will be presented in class. *I'm the source...Why go anywhere else? Spend 1 hour with me (make it like a discussion section) and I will save you 3 hours on your own. Now that is smart!*
2. **UGTAs (Flint 254):** I will have at least 10 undergraduate teaching assistants assigned to this class. These are all high-performing past students of mine who know the "ins-and-outs" of the course and me. *They have done it...They know!*
3. **Supplemental Instruction (TBA):** A free service provided by the Broward Teaching Center. This will be conducted by a two former standout students and UGTAs and they will be making an announcement in class once the schedule is determined. *They are so good they get paid....but it is FREE for you!*
4. **Organic Chemistry Learning Center (OCLC – Flint 258):** Graduate teaching assistants will be basically available Monday through Friday. A specific schedule of who will be running the sessions is posted on our Sakai site.

Off-Campus Paid Tutoring:

Kefacademy@BrewSpot Café: Dr. Jeff Keaffaber conducts small 1-3 group tutoring sessions by appointment only. These sessions are held at The Brew Spot Café so you can grab a bite to eat while you learn Organic Chemistry. He has taught this material, at this level, at this university...The only one in town that can make that claim. He can be reached at 352-374-2248 or by email at jjk@thebrewspotcafe.com.