

Chemistry 238A SYLLABUS
Winter, 2015
PROF. TOMIKAZU SASAKI
Monday, Wednesday and Friday 8:30 - 9:20 A.M., BAG131

Instructor: Tomikazu Sasaki (CHB204H)
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Tel: 206-543-6590
Office Hours: Mon and Tue 9:30 - 10:20 A.M.

TA and Office Hours:
Lekich (AA, AB, AG, AH), Oh (AC, AD, AE, AF)
Office Hours: TBA

Course Website: https://catalyst.uw.edu/workspace_preview/chemwi15/48056/352376

Discussion Board: <https://catalyst.uw.edu/gopost/board/sasaki/38667/>

Text: Carey's Organic Chemistry 9th Edition. You will need to access to the online homework system (McGraw-Hill Connect). Access to Connect is available in the textbook package sold in the bookstore, or can be purchased directly from the Connect website.

Quiz Sections: Meet once a week.

A practical quiz will be given prior to each session, to allow you to determine whether you have mastered the new lecture material. You should work on the quiz prior to coming to the quiz section. Quizzes do not count toward your final grade, and in general will be more challenging than exam problems. The first quiz section will meet on January 8 (Thurs).

Online Homework:

The online system, McGraw-Hill Connect, will have homework assignments for each chapter. Your total score for all Connect assignments will make up approximately 10% of your overall score. You will need to register online for my course. **MAKE SURE TO USE YOUR FULL NAME AS LISTED WITH THE REGISTRAR** – if you do not, then your scores will likely not be transferred into my grade book.

Homework website: <http://connect.mheducation.com/class/t-sasaki-winter-2015-mwf830am-2>

Turning Technologies Rf response card (clicker):

In addition to the weekly quiz sections and online homework problems, we will use the "clicker" technology to evaluate and monitor your level of understanding of the course materials. **You must register your clicker through a Catalyst page during the 1st week. Go to a Catalyst page** (<https://catalyst.uw.edu/webq/survey/earnshaw/256550>) for registration (see page 5 for Clicker Instructions). There will be two practice clicker tests during the 1st week to determine if your clicker is working properly. Register your clicker as soon as you can. We will be using clicker routinely during the lecture, starting at the 2nd week. There will be one or two clicker quizzes in each week. You are responsible for keeping your clicker in a working order. Bring your clicker to every lecture. The lowest two of the clicker scores will be dropped at the end of quarter.

Exams: There will be three 50-minute exams and one final exam. Exams are based on lecture materials.

The midterms will be on
Friday, January 23
Monday, February 9
Friday, February 27

The Final Exam is scheduled for TUESDAY, March 17, 8:30 - 10:20 A.M.

There will be no make-up exams. If you must miss an hour exam, this exam will automatically be the one that is dropped. Students who miss more than one midterm exams or the Final exam must present documentation of a recognized *emergency*, and need to discuss the matter with Dr. Paul Miller in Bagley 303. Examples of recognized emergency include: illness, death or serious illness in the immediate family and, provided previous notification is given, observance of regularly scheduled religious obligations and attendance at academic conferences or field trips, or participation in university-sponsored activities such as debating contests or athletic competition. Dr. Miller will manage the excuses and the documentation, and will notify the instructor regarding the students' status.

Holidays: January 19 (Martin Luther King Jr. Day)
February 16 (Presidents Day)

Scoring and Grade:

Each hour exam is worth 150 points and the final is worth 175 points. Your lowest of the three hour-exam scores will be dropped. Each clicker quiz is worth 5 points. You will be given 2 points for a wrong answer. Approximately 15 clicker quizzes will be administered during the quarter. The lowest two of the clicker scores will be dropped. There will be a total of 8 homework assignments during the quarter. Each homework assignment is worth 8 points. Thus the total number of points for the course equals 604 ($150 \times 2 + 175 + 5 \times 13$ (Clicker) + 8×8 (online homework)) points.

Grades will not be given to your individual hour exam scores but a class distribution of scores will be posted so that you can see how you made out relative to your classmates. It is a departmental policy that the mean grade in this course will be 2.6 ± 0.2 . This cannot be changed.

Exam Regrading Policy:

Graded exams will be returned to you about 1-3 days after the exam. You should pick up your exam from your TA. Please consult the answer key provided on the bulletin board so that the accuracy of the exam grading can be evaluated. If you feel that a grading error(s) has been made (my permission is NOT required to submit a regrade request), please describe the nature of the error(s) on a single piece of paper and staple it to your exam. Then give it to your TA and we will discuss the problem within 1 week after the exam. You can then pick up your revised exam from your TA. You are responsible for turning in your exam for review within 7 days from the time of the exam (i.e. exams must be turned in by 1 pm on Wed. following an exam taken on the previous Wed. from 12-1 pm). Exams turned in after this deadline will not be accepted. To minimize meaningless re-grades, only re-grades that result in a change of at least 5 points will be accepted. All the graded exams will be scanned prior to being returned to you and any exams submitted for re-grade that have been altered in any way will be given a zero.

The *signed* form below must be attached to your exam when you submit it for a regrade.

Please regrade question(s) _____

Please check addition on page(s) _____ question(s) _____

I understand that my exam may have been photocopied before it was returned to me. I certify that I have not altered anything on my exam after it was returned. I understand that if I am found to have altered anything on my exam, I will receive a zero on the complete exam.

Name _____ UW ID # _____

Signature Date _____

Cheating: PLEASE DO NOT CHEAT! Cheating of any sort, including copying during exams, will not be tolerated. **The policy of the college on academic misconduct will be strictly enforced.**

Reading and Practice Problems:

Review important concepts covered in early chapters (1 – 9), especially if you took the previous organic course (Chem237 or equivalent) more than one quarter ago. All the sections of Chapters 10 - 18 that are similar to the lecture materials are required reading. It will be obvious which chapter sections are to be read. In general, you should attempt all of the practice problems within the body of the chapters. For additional practice, do as many of the problems at the end of the chapters as you have time for. The problems in the book are for practice only and will not be graded. Problem solutions are available in the Study Guide.

If you would like to request academic accommodations due to a disability, please contact Disabled Student Services, 448 Schmitz, 206-543-8924 (V/TDD). If you have a letter from Disabled Student Services indicating you have a disability that requires academic accommodations, please present the letter to me so we can discuss the accommodations you might need for class.

Tentative Course Schedule

January 5	Chapter 10, Conjugation in Alkadienes and Allylic Systems
January 7	Chapter 10 "Practice Clicker test#1"
January 9	Chapter 10 "Practice Clicker test#2"
January 12	Chapter 11, Arenes and Aromatocity
January 14	Chapter 11
January 16	Chapter 11
<i>January 19</i>	<i>Martin Luther King Jr Day</i>
January 21	Chapter 12, Reaction of Arenes
January 23	Exam #1 (Chapter 10 and 11)
January 26	Chapter 12
January 28	Chapter 12
January 30	Chapter 13, Spectroscopy
February 2	Chapter 13
February 4	Chapter 13
February 6	Chapter 14, Organometallic Compounds
February 9	Exam #2 (Chapter 12 and 13)
February 11	Chapter 14
February 13	Chapter 15, Alcohols, Diols, and Thiols
<i>February 16</i>	<i>Presidents Day</i>
February 18	Chapter 15
February 20	Chapter 15
February 23	Chapter 16, Ethers, Epoxides, and Sulfides
February 25	Chapter 16
February 27	Exam #3 (Chapter 14 and 15)
March 2	Chapter 16
March 4	Chapter 17, Aldehydes and Ketones: Nucleophilic Addition to the Carbonyl Group
March 6	Chapter 17
March 9	Chapter 17
March 11	Chapter 18, Carboxylic Acids
March 13	Chapter 18
March 17	FINAL EXAM (cumulative with some emphasis on Chapters 16, 17 & 18)

Clicker Instructions

Clickers are an audience response system that uses similar technology to what you may have seen on TV game shows. During lecture, your instructor poses a multiple choice question within a PowerPoint slide in front of the classroom. Click your reply (just like a T.V. remote) from anywhere in the classroom by selecting a letter or number response on your clicker that corresponds to one of the answer choices on the slide. Your response is sent to a wireless receiver, collected and then sent to the classroom computer. There is a little LED light on the upper left side of your clicker. After you've sent your reply, the light will turn green for a short time to signal that your answer was received and stored.

NOTES:

- Where to purchase a Clicker: University Bookstore – make sure you buy one that says “Turning Point” on the top. The clickers used in Physics are not compatible.
- *Clicker ID Code:* Each clicker has a unique 6-digit identification alphanumeric code, located immediately below the bar code on the back of the clicker. Codes usually begin with “0” (zero) or “1” and may contain the letters A-F (since there are no letter ‘O’s, all ‘0’s are the number zero). This Clicker ID code is used to match your clicker responses to your name for grading purposes. You will need to enter this code in Catalyst in a WebQ survey called “Clicker Registration - CHEM 238A – Winter 2013”. The direct URL for this survey is:
(<https://catalyst.uw.edu/webq/survey/earnshaw/256550>).
- *Note that if the code is entered incorrectly or is missing, you will not be able to receive any points toward your clicker grade for the class.*
- *Lost Clickers:* Remember to bring your clicker to every lecture. If you lose your clicker, you will need to buy another one at the bookstore and register the new Clicker ID code. You will need to enter this code in the Catalyst WebQ survey’s second question.
- *Clicker Grades:* Periodically (usually once a week), clicker scores for each lecture will be posted on the Catalyst Gradebook so that you can check if your clicker responses are being received properly. Responses will be counted as 5 points if correct and 2 points if incorrect. Therefore, you will have some points even you answered the questions incorrectly.
- *Setting the Frequency Channel:* The clickers come already set to the default frequency channel of “41”. If your LED light blinks yellow and then red while answering a question in class, it usually means that you need to reset the frequency channel. Perform these steps:
 1. Press and release the “GO” button.
 2. While the LED light is flashing red and green, enter “41”.
 3. Press “GO” again and the LED will show a solid green light for 3 seconds indicating that the channel has been reset. The LED will show a red light if unsuccessful.
- *Batteries:* Clickers are powered by two coin cell CR2032 (3.0V) Lithium Batteries. Batteries typically last for more than one year. Note that when you obtain a new clicker, you will need to remove the plastic strips from the battery contacts in order for it to work.
- *Help station:* If you need help with your clicker, bring it to the stockroom (BAG 271). There is a station set up there to help diagnose problems.