## **Valencia College West Science Department**

## **CHM 2211C Organic Chemistry II**

##### Real Time Virtual (RTV)

## \*See starting page 5 for more info on labs.

**Professor**

Name: Dr. Simon Tang

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Zoom Rm ID: 437-053-1645

**Course**

Name: Organic Chemistry II

Description: Continuation of CHM 2210C with laboratory devoted to multistep synthesis.

Prerequisites: Minimum grade of C in CHM2210C

Co-requisites: None

**Educational Materials**

Text: Organic Chemistry – W/ Connect (2 Year) - 11th edition. By Carey. ISBN: 9781264355273

Recommended: Organic chemistry as a second language: Second semester topics by Klein. ISBN: 1119234727

Other: Scientific Calculator, ability to access internet, lecture notebook (loose leaf type, 2-3” inch), PowerPoint Slides

**Assessment Process**

Hour Exams (3) 45% A = >89.5

## Pop-Quizzes (6) 12% B = 79.5-89.4

Final Exam 18% C = 69.5-79.4

Laboratories 17% D = 59.5-69.4

Organic 1 Test 2% F = 0-59.4

Homework 5%

Attendance 1%

**Attendance**

Regular class participation are the most important factors that promote success in college. Student absences which exceed **ten percent** of the total amount of class meeting times including labs may lead to a withdrawal from the course without prior notice. Meetings will be held on **Zoom** and are **Mandatory.**

**Available Resources**

Copies of the PowerPoint slides will be made available online. Pre-recorded lectures are planned to be made available per chapter. Weekly meetings for chapter review and questions will be available during the week. Online tutoring should be available throughout the semester by the school. Know that Valencia does offer Microsoft 365, which has all the common Microsoft software for free through your Atlas account. Also useful is Microsoft Lens, which allows you to scan pages into pdf. files.

**Policies**

Make-Up: There will be NO make-up quizzes, exams, or late homework without proper reasoning. Please communicate with me as early as possible so that any issues can be resolved in a timely manner.

**Cheating**: Don’t do it. Do not test me. If caught, on a quiz or test the assignment grade will result in a zero. Repeated offences will then result in a failing course grade. The student will then further be sent to Dr. Bob Gessner the Dean of Science. If caught a second time the student would then receive an F for the course as well as be referred to the Dean of Students for further action.

**Copyright Policy:** Any and all material that is released from this course is to not be redistributed to others outside of our class section without my permission.  Those who do so may be subject to, among other processes, the Student Code of Conduct and/or academic penalties. This is strictly prohibited, and any evidence of misconduct can result in an “F” in the course.  Even if the course has ended, if evidence of misconduct was produced later, a change of grade may be submitted by me to the institution.

**Online Proctoring:** Online assessments will need the browser extension Honorlock to complete. When starting an assignment, the prompt for Honorlock needs to come up. If Honorlock is down and does not appear, taking the assessment without this application working properly will not be counted as credit. Please contact me ASAP if Honorlock is down if you need to reschedule your time to take something. Screen and face recording must be both on during your session.

**Final Exam**: The final examination in this course is MANDATORY and cumulative.  Any student not completing the exam will receive a grade of F for the course.

**Exams:** Exams will consist of two portions. There will be a multiple-choice section which is done through canvas, this is followed by a short answer portion. Both will be timed. Late submissions may suffer penalties with each additional minute.

**Extra Credit**: This is optional depending on if instructor deems necessary.

**Withdrawal**: Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the established deadline for a particular term will receive a grade of “W.”  A student is not permitted to withdraw after the withdrawal deadline.  I do not withdraw students after the withdrawal deadline.

**Students with Disabilities**: Students with disabilities who qualify for academic accommodations must provide a letter from the Office of Students with Disabilities (OSD) and discuss specific needs with the instructor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities.

**Academic Honesty**: Plagiarism is defined as claiming as your own a paper, report, article, or speech which in whole or in part was prepared by someone other than yourself. Cheating on an exam or copying someone else’s laboratory report is also a violation of this policy. A violation of this policy can result in failure of an assignment, the entire course, or your current status as an active student. Each student is expected to be informed and compliant with the college policy on academic honesty as stated in the Student Handbook.

**Expected Student Conduct**: Valencia College is dedicated not only to the advancement of knowledge and learning but is concerned with the development of responsible personal and social conduct. By enrolling at Valencia College, a student assumes the responsibility for becoming familiar with and abiding the general rules of conduct. The primary responsibility for managing the classroom environment rests with the faculty. Students who engage in any prohibited or unlawful acts that result in disruption of a class may be directed by the faculty to leave the class. Violation of any classroom or Valencia’s rules may lead to disciplinary action up to and including expulsion from Valencia. Disciplinary action could include being withdrawn from class, disciplinary warning, probation, suspension, expulsion, or other appropriate and authorized actions. You will find the Student Code of Conduct in the current Valencia Student Handbook.

**College**: A full description of all college policies can be found in the college catalog at <http://www.valenciacollege.edu/catalog/>; Policy manual at <http://www.valenciacollege.edu/generalcounsel/>; and the Student Handbook at <http://valenciacollege.edu/studentdev/campusinformationservices.cfm>

Valencia Student Core Competencies: Valencia faculty have defined four interrelated competencies (Think, Value, Communicate, Act) that prepare students to succeed in the world community. These competencies are outlined in the college catalog. In this course, through lecture and discussion, group work, and other learning activities, you will further develop your mastery of those competencies.

**Computer/Equipment Use**: Use of computers in the Business, IT, and Public Service classrooms at Valencia College is restricted to those activities designated by the instructor to enhance the class materials. Any other use is strictly forbidden. Inappropriate use includes, but is not limited to:

* Use of computer to send Email or access Internet sites not specifically assigned in class.
* Use of computer for job, internship, or other activities not assigned in class.
* Modifying any hardware or software system configuration or setting.
* Activities not in accordance with the Valencia Student Code of Conduct.

Use of computers in the departmental open lab is limited to those activities involved with preparing homework or coursework in this department and is subject to the same restriction as listed above.

Computer use is remotely monitored; any student using computers inappropriately may be subject to dismissal from class or banishment from the lab. Subsequent offense may be sent to the campus administration for further disciplinary action.

**Student Assistance Program**: Valencia College is interested in making sure all our students have a rewarding and successful college experience.  To that purpose, Valencia students can get immediate help with issues dealing with stress, anxiety, depression, adjustment difficulties, substance abuse, time management as well as relationship problems dealing with school, home or work.  BayCare Behavioral Health Student Assistance Program (SAP) services are free to all Valencia students and available 24 hours a day by calling (800) 878-5470. Free face-to-face counseling is also available.

**Additional Helpful resources:**

**Enrollment services:**

* Call: 407-582-1507
* Email: [enrollment@valenciacollege.edu](mailto:enrollment@valenciacollege.edu)
* Hours
  + Mon-Thurs: 8 AM - 8 PM
  + Fri: 8 AM - 5 PM
  + Sat and Sun: - 10 AM - 3 PM

**Academic Advising:**

* Call: 407-582-1507
* Email: [advising@valenciacollege.edu](mailto:advising@valenciacollege.edu)
* Link to “chat” [https://valenciacollege.edu/students/advising-counseling/](https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fvalenciacollege.edu%2Fstudents%2Fadvising-counseling%2F&data=02%7C01%7Cstang%40valenciacollege.edu%7C0e9ecba7b6b34d70bb8c08d7ea21b23f%7C0e8866953d1741a88544135b0a92a47c%7C1%7C0%7C637235302769636738&sdata=V4iqV8DtYpyANFcw9uFQkTXZCu46PQrtDN7%2Fe9qQoMo%3D&reserved=0)
* Hours
  + Mon-Fri: 7 AM – 10 PM
  + Sat and Sun: - 10 AM - 10 PM

**Virtual Answer Center:**

·       M-F 7a-10p

·       Sat/Sun 10a-10p

·       [Zoom Link to Virtual Answer Center](https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fvalenciacollege.zoom.us%2Fj%2F114067187%3Fstatus%3Dsuccess&data=02%7C01%7Cstang%40valenciacollege.edu%7C0e9ecba7b6b34d70bb8c08d7ea21b23f%7C0e8866953d1741a88544135b0a92a47c%7C1%7C0%7C637235302769636738&sdata=c8Bsrd6CJxvZDFG6DlpIg3lu4CN6xFnqOA8VW%2By4K8w%3D&reserved=0)

·       [Website](https://nam01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fvalenciacollege.edu%2Fstudents%2Fanswer-center%2F&data=02%7C01%7Cstang%40valenciacollege.edu%7C0e9ecba7b6b34d70bb8c08d7ea21b23f%7C0e8866953d1741a88544135b0a92a47c%7C1%7C0%7C637235302769646739&sdata=cBlNJeyzfWNNuIkZykrTvAPtk5HbBBjVX7CEedtrF%2Fg%3D&reserved=0) for Virtual Answer Center

**Counseling Services:**

·       M-Th 8a-8p

·       Friday 8a-5p

·       Sat/Sun 10a-3p

**Financial Aid:**

Contact [FinAidOffice@valenciacollege.edu](mailto:FinAidOffice@valenciacollege.edu) for their financial aid questions, as well as for potential assistance with financial support

**Learning Outcomes**

**Students should become proficient with chemistry concepts as well as skills to complete common chemistry problems. Topics which will be taught are listed but not limited;**

1. **Nomenclature of Organic Compounds**
2. **Molecular Stability**
3. **Organic Reactions**
4. **Spectroscopy**
5. **Scientific Method**
6. **Laboratory Activities**

**Important Dates**

Drop/Refund deadline \*\*\*

Withdrawal deadline to receive a “W” \*\*\*

Final Exam on Monday Last day of class

**Tentative Schedule of Classes**

|  |  |  |
| --- | --- | --- |
| Week # | Activity | Lab(s) |
| 1 | 14 | Introduction & Safety |
| 2 | **(MLK day) Orgo 1** | Radical Stability |
| 3 | **Test 1(Orgo 1 & 14)** |  |
| 4 | 11&12 | Extraction of Clove oil |
| 5 | 13 | Extraction of Clove oil Cont. |
| 6 |  |  |
| 7 | **Test 2 (11-13)** | Bromination of Vanillin |
| 8 | 15 & 16 | Bromination of VanillinCont. |
| 9 |  | **Spring Break (No Class) (only in spring sem.)** |
| 10 | 17 & 18 | Synthesis and Spectral Analysis of Aspirin |
| 11 | **Test 3 (15-18)** |  |
| 12 | 19 | Synthesis and Spectral Analysis of Aspirin Cont. |
| 13 | 20 21 | Preparation of Soap |
| 14 | 22 | The Nylon Rope Trick |
| 15 | **Test 4 (19-22)** |  |
| 16 | Final Exam |  |

**Disclaimer Statement:** This outline may be altered, at the instructor’s discretion, during the course of the term. It is the responsibility of the student to make any adjustments as announced.

## **CHM 2211L**, **Organic Chemistry II Lab**

**Lab Assignments**

Due to this special time, Labs will be held in an online format. Virtual lab experiments will differ by either being supplemented with a video, or some PowerPoint animated slideshow etc. Points will be distributed accordingly from experiment to experiment. Required assignments can vary from one to next as well and will be expressed in the instructions. Please refer to the class schedule for what labs are coming up and Canvas for due dates.