Department of Chemistry and Biochemistry
Queens College CUNY

Tentative Lecture/Lab Schedule for Chemistry 1021, Section __1&3__, Fall 2020

Required Text:   Bettelheim/Landesberg - Bundle: Custom Organic Chem Lab, 8th + Custom OWLv2 for Bettelheim/Brown/Campbell/Farrell/Torres' Introduction to General, Organic, and Biochemistry, 1 term Printed Access Card.


http://www.cengagebrain.com/course/4334488

Course Coordinator:   Olga Binyaminov

Olga.Binyaminov@qc.cuny.edu

Section:  1012 Section 1 Tues: 1:40 – 4:30pm via Google Classroom

1012 Section 3 Thurs: 1:40 – 4:30pm via Google Classroom

Lab Instructor:   Dr. Md Gias Uddin

Email:   mdgias.uddin@qc.cuny.edu

Office Hour:   Sec 1: Tue; 4:30 – 5:30pm via ZOOM

Sec 3: Thur; 4:30 – 5:30pm via ZOOM

ZOOM Link:   https://zoom.us/j/3632772917 Meeting ID: 363 277 2917
Course Objectives:

Students will learn basic organic laboratory techniques including isolation and purification of organic compounds, and identification of organic compounds using chromatography and chemical tests; problem solving via understanding the use of the analytical tests is emphasized. Structural organic chemistry, which is a major focus of the lecture part of the course, will be covered in a molecular models session. Students will learn to carry out basic preparations of compounds and mixtures. At the conclusion, students will have a foundation that will allow them to carry out basic organic laboratory procedures, they will know how to keep an organic laboratory notebook, and they will know basic safety procedures including handling of hazardous waste.

Course Requirements:

Pre or corequisite: Chemistry 102.3 (C or better if prerequisite)

Prerequisites for Chemistry 102.1: C or better in Chemistry 101.3 and 101.1, or C or better in Chemistry 113.4 and 113.1

Note: a C- in any prerequisite will not permit you to take 102.3/102.1!

You must earn a C or better in Chemistry 102.3 and 102.1 to take Chemistry 103.3 and 103.1.

Chemistry 102.1 Grading Rubric

OWL Pre-Lab Assignment: 15%

Pre-lab assignment must be completed and submitted on owl prior to the beginning of the class, as indicated by the due dates on the owl sites.

In addition, you are expected to be familiar with the general topic of the lab that is going to be discussed. In order to do so, you will need to read the lab write-up prior to your session zoom meeting. Failure to do so will result in zero participation grade

Virtual / Online Video Labs: 40%

You will still meet with your lab instructor at the time of your scheduled session, and will receive further instructors regarding the lab. Once you will receive the details and
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instructors regarding the particular topic and objective, you will need to watch a lab video on EdPuzzle, which will be synced to your google classroom.

Online Videos (EdPuzzle– The EdPuzzle videos can be accessed through google classroom and will be available at the time of your regular lab session. During the video you will be asked questions relevant to the experiment, and will be graded as your report. You will need to submit a written data for some labs (for which you will be instructed as per what needs to be done), and / or solved problems pertain to the lab. It will be graded by your instructor and edited to your gradebook.

OWL Post-Lab Assignment: 15%

Post-lab assignment must be completed and submitted on owl/connect after the lab is done and prior to next lab meeting.

Midterm and Final Exam: 20% total (10% Each)

The exams are as scheduled on your syllabus. They will be on owl, and are noncumulative.

In order to take the exams, you **are required to be live** on zoom to take it, as it is password protected and won’t initiate until you are confirmed on zoom. Below is the required setup during the exams. Failure to do so will result in a zero on your exams, and inability to take them.

No makeup is given for missed Exams.
Lab class participation in synchronous and asynchronous scheduled meetings: 10%

You will be graded on your class performance, and it is 10% of your lab grade. These 10% include your participation in online sessions and discussions.

**Required tools and accounts:**

- **Zoom account:**
  
  Go to zoom.us, and register for a free account.

  When joining a meeting, click on join a meeting tab, and enter the meeting ID above.

  Alternatively, you may use the following link:
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_____ https://zoom.us/j/3632772917 ________________

Meeting ID: ____ 363 277 2917 __________________

Password: ________________________________

- **An active Queens College email account**

- **Cengage Owl account:**

  You will need a Cengage account for some of the pre and post assignments, as well as for midterm and final exam.  

  Register to cengage.com. and enter the following code  
  E-26R68MSJ88RSR (Sec1: Tue)/ E-26R667TR7ZTXB (Sec3: Thurs) ___________  
  to join your class. See guide for Cengage registration in google classroom.

- **Google Classroom Registration:**

  Go to gdrive.qc.cuny.edu  
  Login with your CAMS account (looks like jsmith100,) if you have forgotten your username or password- go here: cams.qc.cuny.edu).  
  (Accept terms and conditions if it's your first time logging in).  
  Go to Classroom.google.com, (Identify as a student).  
  Click the + button on the top right.  
  Add the course code. The code for this class is “ __________”  

  **Troubleshooting—**

  After logging in, it won't let you add the class.  
  
  A: Sometimes it switches you back to your personal Google account if you have more than one logged in at a time. Open the account switcher by
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clicking on your initial or profile picture in the top right and enter your QC account.

If you do not know CAMS account/password, go to cems.qc.cuny.edu and click forgot Username or Password.

ONLINE ENVIRONMENT

Students should be seated at a table or desk in a quiet room. The video for the Zoom meeting should be on although it may be muted for short periods when appropriate. The mic to the Zoom meeting should be muted unless asking or answering a question in class. Students should not attend the Zoom lecture meeting while in bed, driving in a car, from a bus, or anywhere else that would not constitute a collegiate environment.

Recording a session

All sessions will be recorded, and shared on google classroom for your review. Please read and acknowledge the following disclaimer. You will be required to consent to this disclaimer during our first session, by typing “agree” in zoom chat.

“Students who participate in this class with their camera on or use a profile image are agreeing to have their video or image recorded solely for the purpose of creating a record for students enrolled in the class to refer to, including those enrolled students who are unable to attend live. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off(except during exams) and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live.”

QUIZ AND EXAM SETUP
Note: During quizzes and exams, students will be required have two online devices, one of which has a functional camera. The device with a camera can be a smartphone. The camera device should join the Zoom meeting with video on, mic off, and be set up to the side of the student with the camera aimed towards the keyboard, hands, materials, and screen of the device the student is taking the exam on (please see image below). This requirement is essential to insure the identity and integrity of all students taking the online assessments. Communication with the instructor during quizzes and exams can be conducted via private online chat through the meeting platform (i.e. Zoom). Students may not search the internet or communicate with anyone else during assessments, personally or electronically, as this would constitute a violation of academic integrity.

REASONABLE ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

Candidates with disabilities needing academic accommodation should: 1) register with and provide documentation to the Special Services Office, Frese Hall, Room 111; 2) bring a letter indicating the need for accommodation and what type. This should be done during the first week of class. For more information about services available to Queens College candidates, visit the website, or contact: Special Service Office; Director, Miriam Detres-Hickey, Frese Hall, Room 111; 718-997-5870 (Monday – Thursday 8:00 a.m. to 5:00 p.m. & Friday 8:00 a.m. to 4 pm.).

CUNY POLICY ON ACADEMIC INTEGRITY

Academic Dishonesty is prohibited in The City University of New York and is punishable by penalties, including failing grades, suspension, and expulsion as provided at https://www.cuny.edu/about/administration/offices/legal-affairs/policies-procedures/academic-integrity-policy/. Please read this document, paying careful attention to the sections on plagiarism and Internet plagiarism. If you are not sure how to
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cite work you have found on the internet, please review the APA Guidelines provided by the [Purdue OWL](https://owl.english.purdue.edu/owl/).

## Weekly Experiment Schedule – Fall 2020

<table>
<thead>
<tr>
<th>Week</th>
<th>Date of Lab</th>
<th>Experiment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Introduction to course and Safety Video.</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td><strong>Experiment 1</strong> Organic experiments Lab Techniques.</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td><strong>Experiment 2</strong>: Molecular Models</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td><strong>Experiment 3</strong>: Identification of Hydrocarbons</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td><strong>Experiment 4</strong>: Chromatography</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td><strong>Experiment 5</strong>: Identification of Alcohols and Phenols</td>
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<tr>
<td>7</td>
<td></td>
<td><strong>Experiment 6</strong>: Identification of Aldehydes and Ketones</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th></th>
<th>Important Dates:</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td><strong>Midterm exam - online:</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Experiment 7:</strong> Carboxylic Acids and Esters</td>
</tr>
<tr>
<td>9</td>
<td><strong>Experiment 8:</strong> Amines and Amides</td>
</tr>
<tr>
<td>10</td>
<td><strong>Experiment 9:</strong> Preparation of Aspirin</td>
</tr>
<tr>
<td>11</td>
<td><strong>Experiment 10:</strong> Isolation of Caffeine from Tea Leaves</td>
</tr>
<tr>
<td>12</td>
<td><strong>Experiment 11:</strong> Carbohydrates</td>
</tr>
<tr>
<td>13</td>
<td><strong>Experiment 12:</strong> Preparation of Hand Cream</td>
</tr>
<tr>
<td>14</td>
<td><strong>Final Exam in-class:</strong> Check-out;</td>
</tr>
</tbody>
</table>
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- December 9 Last day of classes