Queens College of the City University of New York

Dr. Gloster  
Department of Chemistry and Biochemistry  
Basic Organic Chemistry

WEDNESDAY 6:30-9:20 ONLINE CLASSROOM MEETING  
WEDNESDAY 5:30-6:20 ONLING OFFICE HOUR

e-mail: daniel.gloster@qc.cuny.edu

<table>
<thead>
<tr>
<th>Chem 102.3-2</th>
<th>Lecture Schedule</th>
<th>Fall 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course Requirements:</strong></td>
<td></td>
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<tr>
<td>Prerequisites for Chem 102.3: C or better in Chem 101.3 and 101.1, or C or better in Chem 113.4 and 113.1F</td>
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<tr>
<td>Pre or corequisite: Chem 102.1 (C or better if prerequisite)</td>
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<tr>
<td><em>Note: a C- in any prerequisite will not permit you to take 102.3/102.1!</em></td>
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<tr>
<td>You must earn a C or better in Chem 102.3 and 102.1 to take Chem 103.3 and 103.1</td>
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<tr>
<td>You will need access to Blackboard for handouts - it is your responsibility to provide a valid e-mail address that you monitor. Announcements will be made via Blackboard and e-mail.</td>
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</tbody>
</table>

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**Classroom Meeting**  
Weekly each Wednesday 6:30-9:20 PM. Computer Link and telephone access information pasted below.

[https://us.bbcollab.com/guest/de232e80d3b442a9b32ada765eaf4f25](https://us.bbcollab.com/guest/de232e80d3b442a9b32ada765eaf4f25)

Classroom Dial In Information:

+1-571-392-7650  
PIN: 148 156 3941

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************** Classroom and Office Hour Links are NOT the same**************

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**Office hour**  
Weekly each Wednesday evening 5:30 to 6:20 PM. Computer Link and telephone access pasted below.

[https://us.bbcollab.com/guest/e4f3bacc0c8f47cea287d670f7e4b90f](https://us.bbcollab.com/guest/e4f3bacc0c8f47cea287d670f7e4b90f)

Office Hour Dial In Information

+1-571-392-7650  
PIN: 606 622 3324
Information about recorded online classes and office hours

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 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.


**Recommended:** *Study Guide and Selected Solutions Manual*, McMurry, 9th Edition

**Required (if you’re taking the lab portion) LAB TEXT:** *Laboratory Experiments for Introduction to General, Organic and Biochemistry*, F. Bettelheim and J. Landesberg, 8th Edition, Brooks/Cole, 2013

**REQUIRED ON-LINE PROBLEMS:** You are required to purchase access to the Sapling Learning on-line problem web site for this course. The cost is $42. The course is listed under “Here is a direct link to your course site: Queens College - CHEM 102 - Fall20 - GLOSTER

**BEGIN STUDENT REGISTRATION INSTRUCTIONS**

**STUDENT INSTRUCTIONS**

1. Go to www.saplinglearning.com/login to create an account. If you already have a Macmillan Learning account you can log in with your existing credentials and skip to step 3.
   - Create your password and set all three security questions.
   - Start typing in your institution to select from the options that appear in the Primary Institution or School name field. If your institution does not appear you can add it by typing in the full name.
   - Accept the terms of use and click “Sign Up”.
   - Check your email for the confirmation link to complete your registration and return to the login page.
2. Set your institution by searching using your institution’s full name and selecting the appropriate option from the menu that appears.

3. Under Enroll in a new course, you should see Courses at [Your College]. Click to expand this list and see courses arranged by subject. Click on a subject to see the terms that courses are available.

4. Click on the term to expand the menu further (note that Semester 1 refers to the first course in a sequence and not necessarily the first term of the school year).

5. Once the menus are fully expanded, you’ll see a link to a specific course. If this is indeed the course you’d like to register for, click the link.

6. If applicable, to access your ebook click on the image of the cover on the right sidebar of your course site. Create an account, or log in with an existing Macmillan Learning eBook account.

7. Need Help? Our technical support team can be reached by phone, chat, or by email via the Student Support Community. To contact support, please open a service request by filling out the webform: https://macmillan.force.com/macmillanlearning/s/

The following link includes more detailed instructions on how to register for your course: https://macmillan.force.com/macmillanlearning/s/article/Sapling-Learning-Registering-for-courses

More from the Sapling Homework Team:

(http://www.sapinglearning.com/ibiscms/course/view.php?id=104909). Problems will be graded at the deadlines listed on the syllabus and the Sapling web site. For each problem there are hints and answers; you can take as many tries as necessary to get the correct answer. There is a training module to help you learn this homework system that you should complete before you start on the chapter problems. As you can see, there is no good reason not to earn all of the homework points.

The following link includes more detailed instructions on how to register for your course: https://macmillan.force.com/macmillanlearning/s/article/Sapling-Learning-Registering-for-courses

Sapling Learning offers a grace period on payment but payment must be made by, 9/09/20.

During sign up or throughout the term, if you have any technical problems or grading issues, send an email to College Student Support Community, https://community.macmillan.com/community/digital-product-support/college-students-support-community, explaining the issue.

NEED HELP WITH ON-LINE PROBLEMS? Here is our Student Support information:
- General student support contact information and hours: https://community.macmillan.com/docs/DOC-6915-students-still-need-help
- How to ask a question or create a case: https://community.macmillan.com/docs/DOC-6673-can-i-contact-tech-support-and-others-for-help-without-leaving-the-support-community
Grading

<table>
<thead>
<tr>
<th></th>
<th>Percentage</th>
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<tbody>
<tr>
<td>3 Midterm Exams</td>
<td>60%</td>
</tr>
<tr>
<td>On-line Homework</td>
<td>10%</td>
</tr>
<tr>
<td>Final Exam (Comprehensive*)</td>
<td>30%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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</table>

**The final exam**

Will cover all of the chapters listed in the syllabus.

Exams will stress lecture material and recitation problems.

Bring photo ID to exams.

You will not be permitted to use books, molecular models, notes, computers, or calculators during exams. Cell phones are strictly prohibited for class and exams. If you have any questions concerning the grading, see Dr. Gloster within 10 days following the exam.

There are no make-up exams. If you are ill or there is an emergency, you must notify me by email before the exam. Written verification of your reason for missing an exam is required within 10 days; if your absence is excused your grade will be based on the exams you have taken. If your absence is unexcused you will be awarded a zero for that exam which will count into your final grade.

**APPROXIMATE SCHEDULE AND PROBLEMS.** The text contains many problems similar to those that will be given on exams. You should do the problems that appear in the body of the text. Selected answers may be found in the Study Guide; there will not be any graded homework other than the on-line
Sapling homework. The following are the Additional Problems at the end of each chapter for which you are responsible, along with approximate scheduled lecture topics and expected topics for each exam.

<table>
<thead>
<tr>
<th>Date</th>
<th>Chpt</th>
<th>Topic</th>
<th>Problems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 26</td>
<td>12</td>
<td>Alkanes</td>
<td>12.22-32, 36, 37, 39, 40, 42-44, 46-53, 58, 62-64a, b, 65</td>
</tr>
<tr>
<td>Sep 9</td>
<td>14</td>
<td>Compounds with Oxygen, Sulfur, or a Halogen</td>
<td>14.21-29, 32a-d, 34, 35, 38, 40-52, 58, 63, 69-70</td>
</tr>
<tr>
<td>Sep 16</td>
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<td>Exam 1 Chapters 12, 13, 14</td>
<td>Online H-work (12, 13, 14) due 9/16 at 3:00 PM</td>
</tr>
<tr>
<td>Sep 23</td>
<td>15</td>
<td>Aldehydes and Ketones</td>
<td>15.20-23, 25-32, 34-44, 51, 58, 59</td>
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<tr>
<td>Sep 30</td>
<td>16</td>
<td>Amines</td>
<td>16.23-25, 28-31, 34, 37-38, 41-42, 47, 55, 57</td>
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<tr>
<td>Oct 7</td>
<td>17</td>
<td>Carboxylic Acids and Derivatives</td>
<td>17.37, 43, 44, 46, 48, 54, 58, 62, 69, 72-74</td>
</tr>
<tr>
<td>Oct 21</td>
<td>18</td>
<td>Amino Acids and Proteins</td>
<td>18.36, 37, 41, 46-49, 56, 66, 70, 72,</td>
</tr>
<tr>
<td>Oct 28</td>
<td></td>
<td>Exam 2 Chapters 15, 16, 17</td>
<td>Online H-work (15, 16, 17) due 10/28 at 3:00 PM</td>
</tr>
<tr>
<td>Nov 4</td>
<td>20</td>
<td>Carbohydrates</td>
<td>20.28, 29, 32, 35-37, 44, 46, 50, 51-58</td>
</tr>
<tr>
<td>Nov 11</td>
<td>23</td>
<td>Lipids</td>
<td>23.30-33, 37, 38, 48, 49, 50, 60</td>
</tr>
<tr>
<td>Nov 18</td>
<td>26</td>
<td>Nucleic Acids</td>
<td>26.23, 24, 26, 29-32, 50</td>
</tr>
<tr>
<td>Dec 2</td>
<td></td>
<td>Catch-up (last lecture)</td>
<td></td>
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<tr>
<td>Dec 9</td>
<td></td>
<td>Exam 3 Chapters 18, 20, 23, 26 (last class)</td>
<td>Online H-work (18, 20, 23, 26) due 12/9 3:00 PM</td>
</tr>
<tr>
<td>Dec 16</td>
<td>6:15</td>
<td>8:15 Final Exam – ALL CHAPTERS</td>
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**Course Objectives:** Students will learn basic structural organic chemistry, including structures and nomenclature of hydrocarbons and compounds containing the most common functional groups including halides, alcohols, thiols and disulfides, amines, carbonyl compounds including aldehydes, ketones, carboxylic acids, esters, and amides, and an introduction to biological molecules including amino acids, proteins, carbohydrates, lipids, and nucleic acids. Stereochemistry will be introduced, and students will learn to draw structures and convey three-dimensional information about structures. Reactions of these compounds will be introduced, but mechanisms of reactions, synthesis, and spectroscopy will not be covered in this course. At the conclusion, students will have a foundation that will allow them to enter a course in basic molecular biochemistry.

**Assessment:** Problem solving ability will be tested using exams; while memorization of naming conventions and reactions will be required, the emphasis will be on understanding structures of organic compounds. Sample problems and answers both in the book and on the course web site will be representative of the material that will be found on exams.

**GRADE KEY.** This course is not graded on a curve. Everyone in the class can get an A, or everyone can get an F. There is no predetermined percentage of the class that will get any particular grade. The key for all exams is shown below
A+ 97-100
A  93-96
A-  90-92

B+ 87-89
B  83-86
B-  80-82

C+ 77-79
C  73-76
C-  70-72

D+ 67-69
D  60-66

F  0-59