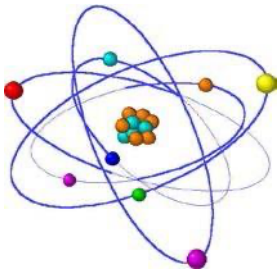
Chemistry 10600
Hunter College of the City University of New York Department of Chemistry & Biochemistry



TA: Ximena Peralta

Office: Online via ZOOM

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Office hours: Friday from 1:00pm-2:00pm

Lab Coordinators: Dr. Gabriela Smeureanu (Room 1504HN) gsmeurea@hunter.cuny.edu
Dr. Nadya Kobko (Room 1504HN) nkobko@hunter.cuny.edu

Note: This Syllabus may be subject to change.

Welcome to Chemistry 10600

Chemistry is a challenging and often abstract science, but as you progress through this course we hope you will discover that chemistry is also exciting and that many of the key concepts in chemistry are both important and relevant to life on earth. Throughout this semester we will provide you with the basic skills and knowledge to think and feel like a chemist. You will learn that chemistry is exciting!

The lab course runs twice per week with one class synchronous in person and one class online synchronous in ZOOM. Make sure you have access to your class in Brightspace and the email listed in your account there is the right email you use and check regularly. That's the only way we will be able to communicate with you.

Please note that is a Hybrid course with one in person and one online synchronous class meetings – It is your responsibility to make sure you have an appropriate device and access to a reliable and stable internet connection to complete your online course work by each respective due date and for the duration of each class meeting.

Brightspace:
You must use your hunter/cuny credentials to log in on Brightspace.
You should check the site regularly. It can also be used to communicate with your classmates.
Brightspace is an excellent tool. I will post periodically announcements, additional resources and helpful hints.

Email: You can find information about Hunter email through a link at: http://www.hunter.cuny.edu/icit/help-docs/e-mail-faq
Your username and password should have been mailed to you. Please make sure that if you are not using this email account, you set your mail to forward to an account that you do use. Instructions on how to forward mail can be found through the link above. We will be sending you important emails through Brightspace. The information you may miss is likely to impact your grade if I don't have email contact with you.

A. DESCRIPTION

This course will present essential facts, laws, and theories of general chemistry.

B. OBJECTIVES

Upon successful completion of this course, the student will be able to develop problem-solving skills, use definition, concepts, and ideas to predict how a chemical process will occur, test the understanding of the basic concepts.

C. GRADING POLICY

Your overall letter grade will be based on the total number of points you earn in the course. The total number of points that can be earned on this course is **1885.** This total will be converted to a percentage (out of 100%) and scaled according to the Hunter College Grading system.

20 Laboratories	**1390 pts**
20 Laboratories – Pre-lab Q -Tophat	**120 pts**
Scientific Presentations x 2	**100 pts**
Excel Exercise	**40 pts**
Safety Quiz - in class	**10 pts**
Safety Overview - Tophat	**25 pts**
Attendance/class participation/summaries	**100 pts**
Lab skills practical	**100 pts**

D. LABORATORY POLICY:

Labs are running synchronous in the days and at the times they we scheduled. Attendance for each laboratory experiment is **MANDATORY**. You will be allowed one excused absence for the semester*. Any subsequent absences will result in a grade of zero for that experiment. If you are more than 10 minutes late for your lab you will not be allowed to complete the experiment. This will count as your one excused absence for the semester. **NO MAKE-UP labs.**

All cell phones, pagers, CD players, MP3 players, etc., must be turned off while in the class. Any students who disrupt the class will be asked to leave.

E. SUMMARIES:

A typed summary of each lab is to be submitted in Tophat– this is to ensure you have read the instructions for the lab that will be performed that day. Lab summaries should consist of 3-4 sentences and are worth 2 points each as part of weekly Attendance/Class participation.

F. LAB REPORTS:

Lab reports are to resemble the format found at the back of your lab manual and be turned in promptly in Tophat by the due date. Each student is responsible for submitting/uploading in Tophat their own lab report. Lab reports will be graded, and feedback will be provided. Your lowest lab report will be dropped– I would suggest completing all the lab reports in case you find that one is more difficult than another. **LATE LAB REPORTS WILL NOT BE ACCEPTED**. Some lab reports may take a full day to complete so I recommend doing a little each day so that you're not pulling all-nighters to complete them. DO NOT WAIT UNTIL THE LAST MINUTE!

No title page or TOC - double-sided ideal. No more than 2 pages ideally (for the written portion) – obviously the graphs / data will add more pages to the report. If you can fit it all on 1 page, great, but must answer the grading criteria and rubric.

This is not a creative writing class, so don't want to see content like…Joe walked briskly to the sink and scrub the beaker with all his might before using the acetone to dry it – 1) Definitely don't describe the washing process in your report, 2) Science writing is very straight to the point. If you are unsure about how to do science writing, you can look it up on the web to see how it's done. Procedure must be in bullets.

If an error was done in the experiment, explain what happened. Don't be vague or try to guess what happened – own it and you will get full points. If you say something like, the equipment is defective – then I know something is up.

To get ahead on writing lab reports: Make your summaries like your introductions so that you can get ahead on the next sections of the lab! Make sure that it syncs with the criteria for what an introduction should look like per the lab manual.

Data tables and graphs must be labeled and with proper names. Students submitting identical reports will result in a zero for that report and will be reported to the Chemistry department. Calculations must be typed unless otherwise stated.

Plagiarism will not be tolerated.

G. MATERIALS TO BRING EACH CLASS:

Safety glasses, printed experiments from Tophat, calculator, personal laptop, notebook for recording observations.

In the first day of laboratory, you will be required to have:

- Laboratory Manual: Chemistry 106 "General Chemistry Laboratory" by G. Smeureanu and S. Geggier TOPHAT access (you must purchase TOPHAT ONLINE access code).
- Carbon Copy Laboratory Notebook 100 pages or any notebook -- (available for purchase at Hunter College online bookstore)
- Safety Glasses
- Calculator
- Computer

Web Sites:

As part of this course, we will be using both **Brightspace** and a custom platform called **Tophat**. I will communicate with you via Brightspace, and I will post regularly announcements there.

The Tophat platform will be used to host our course materials/lab manual. It has been designed specifically for our course.

The Tophat platform will be ready for account registration **on Monday, January 20th**

Chem 10600

Hunter College General Chemistry Laboratory: CHEM 10600- Fall 2025

Instructor: Gabriela Smeureanu **Join Code: 684740**

You should log on to Tophat (following the instructions in the email you received) as soon as you can and register for our course so that you can become familiar with the web interface. It is imperative that when we meet on **Tuesday, January 28th**, you are ***already registered*** for our course on the Tophat website.

The email I sent you (using your CUNYFirst email address) provides all the instructions about how to register for our course on Tophat. They are outlined briefly below.

If you received my email:

- Click on the purple "Join Course" link in the body of the email and follow the online instructions. Remember that you must use your EMPL ID number for your Student ID number. The join code for our course is **"684740"**

If you are trying to access the course directly through the tophat website:

1. Log on to https://tophat.com to create an account. (If you already have one skip to step 6.)
2. Click on the "Sign up" link in the top right corner.
3. Click on the blue "Sign up as student" link on the right.
4. Choose "Hunter College" as your school.
5. Enter your First name, Last name, Student number (EMPL ID number) and email address (CUNYFirst or Brightspace email address).
6. Log into your account and click the blue "Join course" tab in the top right.
7. Enter the join code **"684740"**

The Tophat platform will be used in lieu of making you buy a Lab manual and has been designed specifically for our course. This is where you will find the lab manual (print each experiment and bring with you in the class), you will answer pre-lab questions and post lab questions and upload your summaries and lab reports. We will use Brightspace ONLY to view your cumulate course grade at the end. During semester all your grades will be posted in Tophat.

Please make sure that you **use your CUNYFirst email address to register your Tophat account and that you INCLUDE your EMPL ID number in the student number field on Tophat**. In order to register you for the course we have uploaded your CUNYFirst email address into Tophat. If you claim your account this email will be assigned to you. Please make sure that this is the same email address that you use through Brightspace because we will be communicating with you frequently through the platform. If you do not check your email daily it is possible that you will miss important information - which is likely to have a negative impact on your grade.

1. Academic Integrity Statement: "Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures."
2. ADA Statement: "In compliance with the ADA and with Section 504 of the Rehabilitation Act, Hunter College is committed to ensuring educational access and accommodations for all its registered students. Hunter College's students with disabilities and medical conditions are encouraged to register with the Office of AccessABILITY for assistance and accommodation. For information and appointment contact the Office of AccessABILITY located in Room E1214 or call (212) 772-4857 /or VRS (646) 755-3129."
3. Hunter College Policy on Sexual Misconduct "In compliance with the CUNY Policy on Sexual Misconduct, Hunter College reaffirms the prohibition of any sexual misconduct, which includes sexual violence, sexual harassment, and gender-based harassment retaliation against students, employees, or visitors, as well as certain intimate relationships. Students who have experienced any form of sexual violence on or off campus (including CUNY-sponsored trips and events) are entitled to the rights outlined in the Bill of Rights for Hunter College.

a. Sexual Violence: Students are strongly encouraged to immediately report the incident by calling 911, contacting NYPD Special Victims Division Hotline (646-610-7272) or their local police precinct, or contacting the College's Public Safety Office (212-772-4444).

b. All Other Forms of Sexual Misconduct: Students are also encouraged to contact the College's Title IX Campus Coordinator, Dean John Rose (jtrose@hunter.cuny.edu or 212-650-3262) or Colleen Barry (colleen.barry@hunter.cuny.edu or 212-772-4534) and seek complimentary services through the Counseling and Wellness Services Office, Hunter East 1123. CUNY Policy on Sexual Misconduct Link: http://www.cuny.edu/about/administration/offices/la/Policy-on-Sexual-Misconduct-12-1-14-with-links.pdf"

Hunter College of the City University of New York Chemistry and Biochemistry Department

~ Tentative Syllabus for Chemistry 10600~

Chem. 106-sec 14 Fall 2025/Rooms HN1412N

Tuesday (online)	Thursday (in-person)
08/26 Excel exercise	**08/28** Check-In/Safety Safety Quiz 10 minutes
09/02 What is around us? ***"Chemistry is LiFe"*** (Lab 1)	**09/04** Is volume conserved? ***"The sneaky ethanol molecules"*** (Lab 2)
09/09 Data Analysis ***"Up in the air"*** (Lab 3 Part A)	**09/11** What is in my sample? ***"Let's find the cations"*** (Lab 4 Part A)
09/16 Data Analysis ***"Up in the air"*** (Lab 3 Part B)	**09/18** What is in my sample? ***"Let's find the cations"*** (Lab 4 Part B)
09/23 No Classes	**09/25** How much is a mole? ***"Avogadro's Number Dilemma"*** (Lab 7 Part A)
09/30 How much is a mole? ***"Avogadro's Number Dilemma"*** (Lab 7 Part B)	**10/02 No Classes**
10/07 Molecules and reactions ***"Foiled again"*** (Lab 8 Part B)	**10/09** Molecules and reactions ***"Foiled again"*** (Lab 8 Part A)
10/14 MONDAY SCHEDULE	**10/16 Scientific Presentation 1**
10/21 Molecular models (Lab 5)	**10/23** Le Châtelier's Principle ***"Where do I shift?"*** (Lab 10)
10/28 VSEPR and molecular shape **"How does it look?"** (Lab 6)	**10/30** Heartburn and ***"AUNTY ACID"*** (Lab 12)
11/04 Reactants and products–Online Simulation ***"I am in equilibrium"*** (Lab 9)	**11/06** Acids, bases, salts and buffers ***"Acids and bases are pHun!!!"*** (Lab 14)
11/11 Acid, bases and Ka ***"Where is my Lewis pair?"*** (Lab 11)	**11/13** Galvanic cell ***"LEO the lion goes GER"*** (Lab 16)
11/18 Drop some acid. Drop some base ***"I am a little buffer"*** (Lab 13)	**11/20** Calorimetry and Thermochemistry ***"Stealing Joules"*** (Lab 17)
11/25 Titration curves ***"Drop the Base"*** (Lab 15)	**11/27 College Closed**
12/02 Coffee-Cup Calorimetry ***"Burning Food. Where are my carbs?"***(Lab 18)	**12/04** Kinetics Iodine-Clock reaction (Lab 19)
12/09 Kinetics Data, Activation energy (Lab 20)	**12/11 Scientific Presentation 2/ PRACTICAL EXAM**