



CHEM&100 (3253) Chemical Explorations
Course Syllabus, Fall 2021

Faculty Contact Information:

Instructor: Shraddha Deodhar

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Virtual/Campus Office hours: The class would be meeting on zoom everyday at 11:30 am.

Here's the link for zoom:

<https://bellevuecollege.zoom.us/j/83700511238?pwd=bnRuYzkvQWFBbUU1TnJPVk9jdjRIQT09>

Meeting ID: 837 0051 1238

Passcode: 800916

Office Hours- You can stay behind after class Tues/Wed/Thu or email me and we can meet at a time that works for both of us.

Course Description:

Presents basic concepts of chemistry using a relatively non-mathematical approach. Topics include measurement, atomic and molecular structure, the periodic table, chemical vs. physical changes, acids and bases, and the social and environmental role of chemistry. Same as CHEM& 110. Only one of the two (CHEM 100 or CHEM&110) may be taken for credit.

Learning Outcomes:

After completing this class, students should be able to:

- Define chemistry and describe the key elements of the scientific method.
- Describe the general structure of the atom and extract information about an atom of an element using the periodic table, including element symbol, atomic number, atomic mass, and number of protons and electrons.
- Identify the role of chemical reactions in daily life using examples such as acid rain, photosynthesis, cooking, industrial synthesis, and pharmaceuticals.
- Describe the differences between molecular, ionic, and metallic substances, including acids, bases, organic molecules, and polymers.
- Describe the characteristics of a solid, liquid, and gas in terms of visible properties and the kinetic-molecular theory of matter, and compare pure substances to mixtures.
- Synthesize course information and apply it to practical, everyday issues such as acid rain, air and water pollution, limited resources on Planet Earth, pharmaceuticals, nutrition and materials.
- Identify and use reliable reference material in libraries and on the internet to research and report on a topic related to chemistry.

Class won't meet on 10/19, 11/11, 11/25-11/26

**Course Points:**

- Exam 1:100 points
- Exam 2:100 points
- Final Project: 100 points
- Homework:100 points
- Class activities:100 points

Dates for Exams & Final Project:

- Exam 1: 11/01
- Exam 2: 12/01
- Final Project: TBA

Work Involved:

There is reading, doing, thinking, and responding in this course! You should plan to spend an average of 1-2 hours a day on this class to keep up with readings, assignments, and your project. Taking an online course often requires more work than a traditional course. You should be taking this course because you need the flexibility it offers, not because you expect it to be easy or less demanding than an on-campus course!

Online Access is Required!

Access to reliable internet service is expected. All students have access to internet in [N250 open lab](#) on campus, and in some public places (coffee shops, public library, etc.) But with Covid times, make sure you have internet access at home (if possible). This course will be very challenging for students who don't have consistent and reliable access to the internet. Please email/call me if you have any issues with internet access during the course of the quarter. I understand that you may have connectivity issues from time to time and as long as assignments can be turned in within a reasonable time frame (within three days) it is no problem.

Grade Scale (%)

A 95-100% B+ 86-90% B- 78-80% C 70-74% D 60-65%

A- 91-94% B 81-85% C+ 75-77% C- 66-69% F 59% and below

Course Layout: The course is divided into weekly modules (you will access the modules for a list of assignments). Each module will include weekly reading, links to assignments (lab activities, quizzes, discussion postings), and resources (videos, text, etc).

TYPES OF ASSIGNMENTS:

(a) Intro activities: A biography assignment and a notifications assignment will be provided to ensure I can communicate with you using your preferred method of communication.

(b) Information Literacy: A couple of assignments will walk you through using internet resources, how to cite sources properly, avoid plagiarism, and use the library resources for finding information. These skills will be needed throughout the quarter but especially for your project (see below).

General Requirements for discussion posts:



Not all of the prompts are the same. Read carefully and follow the specific directions for each post or reply! Please be respectful to others in your responses.

Use the prompt for each week to guide the topic of your discussion post. Type at least 250 words and remember to cite your sources. Include the citation from the text (including page numbers) and at least ONE other internet source.

(f) Writing Assignment (Project) and Peer Evaluation:

About half way through the course, we will have finished covering most of the concepts in this class and you will have a better grasp of the science behind preparing a dish.

You will choose a project topic based on the learning outcomes in this course. You will write a 500-1000 word essay on this topic. There is a page on canvas about your project. Please read that page, chose your topic, and follow the instructions.

Your project will be individual, but you will be put into support groups. These team mates will help review your draft and give you ideas or comment on your progress.

Course Policies

Deadlines: All activities/discussions/project-related assignments are due at **11:59PM** on the date listed on the calendar.

Late Policy: I know everyone has busy lives and sometimes hardships and challenges occur. I will accept assignments 3 days past the deadline - No penalty and no questions asked! After 3 days however, I will deduct up to 20% within a week past the due date, and up to 50% if more than a week has passed. There are exceptions to this if you have hardships - please contact me if you have a situation that prevents you from turning in multiple assignments on time.

Every quarter a few students stop logging in and can't keep up with assignments. As soon as you notice this happening, send me an email ASAP and let me know what's going on! Don't delay!!! Don't wait until it's too late.

COMMUNICATION:

Contact me by discussion board / Email / Phone

Due to the online course format, student-student interactions are encouraged by discussion boards. Please follow general "netiquette" guidelines – be polite, respectful and professional in your interactions with me and others.

Please try to post any general questions you have on the "Questions about this course" discussion board. It's really helpful when we share our questions and answers as a class. If you need individual attention or have issues of a personal nature, please contact me by email or phone or visit my office. Feel free to contact me anytime to set up time for a phone/online meeting.

Email expectations:

What you can expect from me: I will send out announcements frequently (at least once or twice a week) to check in with the class and remind you of what you should be working on. I will try to get assignments graded within a week of the deadline. I will check email at least once



a day Monday through Friday. If you do not receive a reply within 24 hours, please follow up with me! I will check email at least once during the weekend; non-urgent matters will be replied to the following week.

*If you have an urgent matter which requires attention, please try my voicemail and leave a call back number. If I'm not at my desk, it will forward to my email and cell phone. I will call you back!

What I expect of you: Set your notifications so you receive my announcements (enter your personal email account or phone number to receive texts if you prefer). Check your email once a day Monday through Friday and once or twice during the weekend in case I send an announcement about the course. If you want to message me, please use Canvas and ***compose your emails using your name and proper email etiquette (use grammar and full sentences). Be professional!***

Need help with chemistry?

A list of places to go for help and other resources will be posted in our class site, but a few come to mind which you can find from the BellevueCollege.edu website (search): Academic Success Center, Science Study Center, Multicultural Services. Please let me know as soon as you encounter difficulties and we will arrange to meet.

Disability Resource Center

If you require accommodation based on a documented disability, emergency medical information to share, please let me know as soon as possible. If you would like to inquire about becoming a DRC student you may call 564-2498 or go in person to the DRC (Disability Resource Center) reception area in the Student Services Building.

Career Connections and Women's Center

This is a useful place for resources, not just for careers, but for financial assistance as well (and not just for women but also men). If you are having trouble obtaining food and groceries for this course, please contact this office for assistance:

<https://www.bellevuecollege.edu/organizations/programs/center-for-career-connections-womens-center/>

Science Division Policy on Cheating:

Students are expected to behave honestly. It's ok if you want to work with other people to discuss the ideas but the writing should be your own. One suggestion I have is that when you work with others, you do not write anything down. Just discuss ideas but do not write down the same thing or exchange/share documents. **If I find files which look very similar to each other (and I usually do at least once every quarter), I will be suspicious of the integrity of your work and will give you a warning. If the files are extremely similar, you may receive a zero the first time. Please do not use someone else's work as your own! I pay attention when I am grading and have unfortunately seen this happen many times.**

Cheating includes, but is not limited to, copying answers on exams or assignments, swapping papers, PLAGIARIZING, and illicitly giving or receiving help on assignments. PLAGIARIZING includes copying classmates' homework, from this quarter or previous quarters, or coordinating with anyone else to gain an unfair advantage in the course. Everyone is expected to his or her own work, both in class and on the homework.



Consequences of Cheating: 1) You will receive a 0 on the assignment where the cheating occurred. 2) I will send a report of the incident to the Dean of Students who may place it on your permanent record or may decide on suspension or expulsion from school.

“COVID-19 Protocols: Bellevue College is following state and local guidelines regarding COVID safety. All students need to attest that they have received their COVID-19 vaccinations or must receive a medical or religious exemption to attend Bellevue College. In addition, everyone is required to wear masks indoors and stay home if you are sick. Mask use outside and maintaining social distancing of at least 3 feet is strongly recommended. Detailed information can be found at <https://www.bellevuecollege.edu/covid19/> .”