

CHEM 1004T: Drugs and the Human Body

Instructor: Gerónimo Parodi-Matteo

- geronimomatteoparodi@cmail.carleton.ca
- Please allow up to 24 hrs to respond during the weekdays (Monday – Friday) and 48 hrs during the weekend.

Teaching Assistants

- TBA
- Please allow up to 24 hrs to respond during the weekdays (Monday – Friday).

Preface: I want to thank Dr. Peter Buist for his contribution in designing this course, selecting the lecture material, and mentorship. Dr. Buist was a professor of organic chemistry at Carleton for many years and was a pioneer in the field of fatty acid chemistry. He taught thousands of students and passed on his passion for organic chemistry to me.

Goal: Provide you with a general understanding of what drugs are, how they work in the human body, how they are developed by organic chemists, and understand some important applications and history. I aim to help you achieve your desired grade by answering questions via e-mail, hosting office hours and review sessions. If you put in effort, I am confident that you can achieve your desired grade as hundreds of other non-science students have.

Who: This course is designed for non-science students and there are no pre-requisites. I teach with the assumption that all individuals have no background in biology and/or chemistry. The objective is to focus on the applications of biology/chemistry, not the underlying mechanisms. If you are new to science, welcome! If you already are an expert, be patient as our peers catch up.

Materials: Online resources are available on Brightspace. If you are interested in extra material for this course, I recommend Khan Academy [Chemistry](#) and [Biology](#).

Attendance: Attendance is mandatory. This is a lecture-based course. All testable material will be covered in class.

Lecture Hours & Course Duration: Course will run through the Fall term (Sept 4 – Dec 6). Classes begin on Monday September 9 and are held **in person** **Tory Building 360** **Mondays 2:35 PM – 5:25 PM.**

Evaluation: 4 midterms, no final exam.

Assessment: Your grade will be calculated based on 4 midterms. See the section Late Policy in case of missed midterm(s).

- **You must complete all 4 midterms to pass this course.**
- **Failure to complete any midterm(s) in the course will result in a 0% grade for that midterm and a 25% reduction in final grade.**
- **Students that do not complete/miss at least 2 midterms will not be able to pass the course.**

Examination style: Questions are a mix of application and knowledge based on lecture material. There will be a review for each midterm.

Access: Midterms are available through BrightSpace and will open at midnight and close at 11:59PM the following day (you have 24 hours to write the midterm). You can start the midterm at any time within that 24 hour period. **Do not start a midterm past 11:20PM because it may close before you finish resulting in a 0% grade.**

Midterm rescheduling: Missed midterms **may** be rescheduled on a case-by-case basis. There is no guarantee that a midterm may be rescheduled for a student if that student failed to provide sufficient documentation for their initial absence.

Important Dates:

- Midterm 1: September 27 (Lecture 1 - 3)
- Midterm 2: November 1 (Lecture 4 - 6)
- Midterm 3: November 29 (Lecture 7 – 9)
- Midterm 4: December 1 (Lecture 10 – 11)

Lecture #	Date	Content
1	9-Sep-24	Biology intro
2	16-Sep-24	Chemistry intro
3	23-Sep-24	Pain system
	27-Sep-24	Midterm 1
4	30-Sep-24	Immune system
5	7-Oct-24	Anti-infectives
6		Cancer
	11-Oct-24	Midterm 2
	14-Oct-24	Thanksgiving; no class
	21-Oct-24	Fall Break
7	28-Oct-24	Cardiology
8	4-Nov-24	Endocrine system
9	11-Nov-24	Mental health
	15-Nov-24	Midterm 3
10	18-Nov-24	Substances of abuse
11	25-Nov-24	Cannabis
	29-Nov-24	Midterm 4
12	2-Dec-24	TBD
	6-Dec-24	No class

How to Succeed in CHEM 1004

- Attend lectures.
- Take notes. Slide content will be elaborated on during lecture, key concepts will be highlighted in class that will be on the midterms.
- Communicate: If you need help on a concept, or have a question about the material, send me and/or the TA an e-mail! Try to keep the question brief and focused so we can answer them properly.
- More important dates and deadlines for the Fall 2024 term can be found [here](#).

Academic Integrity

- Any suspected violation of [Carleton University's Academic Integrity Policy](#) will be reported to Chemistry Department.
- Midterms: Sharing answers during midterms is not allowed. Due to the online nature of the midterm, I ask that you do not participate in a chatroom or in any way share/provide answers regarding any midterm in CHEM1004. This has occurred in the past- someone inevitably takes a screenshot of the chatroom (usually Discord) and reports it to the administration and/or prof (me). Everyone involved ends up in some sort of trouble. University is a time to make connections and learn skills that you will apply in the future. Doing something silly like this can compromise your academic future and can hurt your reputation (e.g., you may struggle to get a reference letter from a prof in the future if you have academic violations attached to you). **Your reputation as a person is worth more than how many followers you have.**
- **Tldr:** write the midterms alone, don't share answers with other students.
- Please reach out to me if you have any questions about Academic Integrity and read the [University's Policy](#).

Late Policy

- Life happens, and it has happened to me. It is best practice to email the professor (me) and tell them if you expect any delays in your ability to complete a midterm. I would much rather have a conversation before something happens instead of dealing with it after. You must complete the [self-declaration for Academic Accommodations form](#). Otherwise, the midterm will not be graded.
- Missing a midterm with documentation: If an individual misses a midterm and has provided documentation to account for their absence, they must still complete the remaining 3 midterms. I will then calculate the best 2 out of 3 midterms (or count each equally, whatever affords a higher grade) for that individual.
- Missing a midterm without documentation: If an individual misses one or more midterm(s) without documentation, I will successively subtract 25% for each missed midterm to the overall grade.

Internet/Computers Policy

- Not having access to the internet/electronic device will not be accepted as a valid reason for missing a midterm. Please contact Information Technology Services (ITS) Service Desk if you have any questions: <https://carleton.ca/its/>
- Carleton University MacOdrum Library also has computers available for students to use.

Links

- Academic Integrity: <https://carleton.ca/registrar/academic-integrity/>
- Academic Accommodations: <https://students.carleton.ca/course-outline/>
- Carleton Health and Counselling Services: <https://carleton.ca/health/>
- Carleton Information Technology Services: <https://carleton.ca/its/>
- Carleton Library: <https://library.carleton.ca/>
- Carleton VPN: <https://carleton.ca/its/help-centre/remote-access/>