CHMD71H3
Pharmaceutical Chemistry
Course Syllabus- Winter 2023

Course Instructor

Dr. Kagan Kerman, Office: **EV548** in Environmental Science and Chemistry building
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Course time: Mondays 3-5 pm in room **IC120** in the Instructional Centre Building.

Office hours: Tuesdays 1-3 pm live on Zoom or in EV548 or by making an appointment for an alternate date by posting a request message on the Discussion Board. The Zoom link of office hours is posted below:

Topic: My Meeting with CHMD71 students
Time: Jan 10, 2023 01:00 PM Eastern Time (US and Canada)

Every week on Tue, until Apr 4, 2023, 13 occurrence(s)
Jan 10, 2023 01:00 PM
Jan 17, 2023 01:00 PM
Jan 24, 2023 01:00 PM
Jan 31, 2023 01:00 PM
Feb 7, 2023 01:00 PM
Feb 14, 2023 01:00 PM
Feb 21, 2023 01:00 PM
Feb 28, 2023 01:00 PM
Mar 7, 2023 01:00 PM
Mar 14, 2023 01:00 PM
Mar 21, 2023 01:00 PM
Mar 28, 2023 01:00 PM
Apr 4, 2023 01:00 PM

Join Zoom Meeting
https://us02web.zoom.us/j/88042470953?pwd=QTJ3WXpuSy9KTS9CQzc0TW54Ykt6Zz09

Meeting ID: 880 4247 0953
Passcode: CHMD71

Discussion Board: Students are encouraged to post their questions and inquiries on the Discussion Board so that the answers of Dr. Kerman can be read by all the students.

Course Website: CHMD71 maintains a Quercus web space which archives a variety of course-related information including class announcements, lecture slides and notes if provided. In addition, class emails will regularly be sent via Quercus. ***In order for you to receive these emails, you must have a valid "utoronto.ca" email account registered with ROSI.*** **To login**, go to: https://q.utoronto.ca. Login using your UTORid username and password (same as what's used for your UTORmail). Under the "Dashboard", you can find the link to CHMD71.

Course Topics:

Jan 09: Introduction to Pharmaceutical Chemistry

Jan 16: Drug-receptor interactions (part-1)

Jan 23: Drug-receptor interactions (part-2) **Quiz-1** (5%)

Jan 30: Pharmacodynamics

Feb 06: Pharmacokinetics

Fen 13: Drug metabolism **Quiz-2** (5%)

Feb 20: Reading Week ☺

Feb 27: Mid-term in class

March 06: Drug toxicity

March 13: Introduction to Rational Drug Design (part-1) **Quiz-3** (5%)

March 20: Introduction to Rational Drug Design (part-2)

March 27: Introduction to Combinatorial synthesis **Quiz-4** (5%)

April 03: Review Game ☺ **Quiz-5** (5%)

Evaluation:

The grading scheme for the course is shown in the table below:

MID-TERM	**25%**	**February 27th, Monday 2-4 pm** Mid-term will contain short-answer and multiple-choice questions.

FINAL EXAM Date: to-be-announced	**40%**	The final exam will contain short-answer and multiple-choice questions. Entire course topics including the quizzes and review game will be included in the exam with more emphasis on the topics covered after the mid-term.
QUIZ	**25%**	The quiz questions will contain short-answer and multiple-choice questions. The quiz questions will be posted in the Assignments section of the course page. The students will submit the completed quizzes as a Word or PDF file through the Quercus Assignments page.
ASSIGNMENT	**10%**	Each student will prepare 10 questions that may be asked in the final exam. These questions can be in a variety of formats: True/False, multiple-choice, short answer, matching, etc. The students will submit the completed assignment as a Word or PDF file through the Quercus Assignments page. **Submission deadline: April 3rd, Monday at 5 pm**

Recommended texts: *There is no individual textbook assigned for the course and students should rely on course notes, literature articles, and lectures for the material covered. The following is a list of suggested texts you may use for extra reading on covered topics:*

1) Golan, Tashjian, Armstrong, and Armstrong, **Principles of Pharmacology: The pathophysiologic basis of drug therapy**, Lippincott, Williams & Wilkins Publisher, (There is now a 3rd edition of the textbook, but the 1st edition should be OK!) 2007.
2) Thomas, G. **Medicinal Chemistry: An Introduction**, 2nd Edition. (978-0-470-02597-0, Wiley, 2008).

Course Policies and General Information

Equity, Diversity, and Inclusion: The University of Toronto is committed to equity, human rights, and respect for diversity. All members of the learning environment in this course should strive to create an atmosphere of mutual respect where all members of our community can express themselves, engage with each other, and respect one another's differences. U of T does not condone discrimination or harassment against any persons or communities.

Course Announcements: Announcements, updates to readings, assignment topics, requirements, and evaluation, etc. will be emailed and posted to the course site. Students are responsible for checking the course website regularly. **Please, arrange your UTORONTO emails to accept the course announcements.**

Office Hours: Students are welcome to ask questions or resolve course-related problems by contacting the Course Instructor either by joining Zoom during scheduled office hours or by making an appointment by posting a request message on the Discussion Board. Students are responsible for work missed as a result of absence; the Course Instructor will not re-teach material covered in the lectures in the office hours.

e-mail Communication: The Course Instructors may be contacted via the course email addresses to get clarification on course-related issues, or to ask brief questions. The Course Instructor will endeavor to provide responses to emails within 48 h. Urgent issues must be communicated in person or by telephone (with a follow up email message).

Missed Mid-term Test: The exact dates of the take-home mid-term test are provided in the Evaluation table. Students who miss the term test will be assigned a mark of zero for the test unless they can document a compelling reason for missing it. Students in that position must submit a written request to the Course Instructor with appropriate documentation as listed below:

https://www.utsc.utoronto.ca/physsci/self-declaration-absence-form-0

For the **Winter 2023** term, missed term tests due to medical illness will require ***ALL*** of the following:

1. Completed Student Absence form
2. Self-Declaration on ACORN

All items must be submitted **within three** (3) **business days** of the term test date. If a request is accepted for the mid-term test, the weighting of the mid-term will be in an extra-assignment. **There will be no make-up mid-term tests.**

Access*Ability*: Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the Access*Ability* Services Office as soon as possible. The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.

Cell Phones: During lectures and labs please put your cell phones in silent mode to avoid disruption of the class. If circumstances warrant use of your cell phone and you must receive an emergency call, please inform the Course Instructor at the beginning of the session in advance and then excuse yourself from the session to respond to the call outside the lecture hall or laboratory.

Academic Calendar: Further information about academic regulations and course withdrawal

deadlines can be found in the UT Calendar. You are encouraged to read this material.

Academic Integrity: Honesty and fairness are considered fundamental to the University's mission, and, as a result, all those who violate those principles are dealt with as if they were damaging the integrity of the University itself. When students are suspected of cheating or a similar academic offence, they are typically surprised at how formally and seriously the matter is dealt with - and how severe the consequences can be if it is determined that cheating did occur. The University of Toronto treats cases of cheating and plagiarism very seriously.

Examples of offences for which you will be penalized include (but are not limited to):

- Using any unauthorized aids on an exam or test (e.g., "cheat sheets")
- Representing someone else's work or words as your own - plagiarism (see web document "How not to plagiarize" available online at http://www.utoronto.ca/writing/plagsep.html
- Falsifying documents or grades
- Purchasing an essay
- Submitting someone else's work as your own
- Submitting the same essay or report in more than one course (without permission)
- Looking at someone else's answers during an exam or test
- Impersonating another person at an exam or test or having someone else impersonate you
- Making up sources or facts for an essay or report.

As a student it is your responsibility to ensure the integrity of your work and to understand what constitutes an academic offence. If you have any concerns that you may be crossing the line, please, read from the website http://www.utoronto.ca/academicintegrity/resourcesforstudents.html and always consult your instructor. Your instructor can explain, for example, the nuances of plagiarism and how to use secondary sources appropriately; he or she will also tell you what kinds of aids - calculators, dictionaries, etc. - are permitted in a test or exam. Ignorance of the rules does not excuse cheating or plagiarism.

This information is taken from the brochure, "*Academic Integrity*" and website, part of a series of UT publications to help students understand the University's rules and decision-making structures. For copies, visit the Office of the Registrar at UT. All of the policies and procedures surrounding academic offences are dealt with in one policy: "*The Code of Behaviour on Academic Matters*". The full text is located in the back of the UT Calendar.

Statement of Acknowledgement of Traditional Land: I (we) wish to acknowledge this land on which the University of Toronto operates. For thousands of years, it has been the traditional land of the Huron- Wendat, the Seneca, and the Mississaugas of the Credit. Today, this meeting place is still the home to many Indigenous people from across Turtle Island and we are grateful to have the opportunity to work on this land. Statement of Acknowledgement of Traditional Land.