BIOCHEMISTRY
CHMB62 2024
Course Outline

This document contains important information and should be kept in a safe place where you can refer to it throughout the semester.

Welcome to CHMB62H3: Biochemistry. This course is an introduction to the molecular structures of living systems. Topics will include the physical and chemical properties of amino acids, proteins, enzymes, fatty acids, lipids, carbohydrates, metabolism, and biosynthetic pathways.

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Learning Outcomes for Course:

By the end of this course, students will be able to:

- Describe the key classes of biomolecules including amino acids, carbohydrates, lipids, and nucleic acids.
- Understand the chemical principles connected to living systems.
- Understand the role of enzymes and their kinetics and their role in metabolism.
- Describe how dietary proteins, carbohydrates, and lipids are digested.

Assigned problems will be posted with every lecture material. Please also keep up with assigned homework problems on Achieve!

Expectations from CHMB62H3 Students:

I understand that this is a hard time for all, but I expect everyone will try to be present during class and tutorial times and to engage in lecture material. I will do my best to provide a positive, approachable, and effective learning environment but I expect you to exhibit an autonomous, self-

bringing them with you to class.

and Access*Ability* Services to ensure you can achieve your learning goals in this course. Enquiries are confidential. The UTSC Access*Ability* Services staff (located in SW302) are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations (416)287-7560 or ability@utsc.utoronto.ca.

ACADEMIC INTEGRITY STATEMENT

Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensuring that a degree from the University of Toronto is a strong signal of each student's individual academic achievement. As a result, the University treats cases of cheating and plagiarism very seriously. The University of Toronto's Code of Behaviour on Academic Matters (http://www.governingcouncil. utoronto.ca/policies/behaveac.htm) outlines the behaviours that constitute academic dishonesty and the processes for addressing academic offences. Potential offences include, but are not limited to:

IN PAPERS AND ASSIGNMENTS: Using someone else's ideas or words without appropriate acknowledgement. Submitting your own work in more than one course without the permission of the instructor. Making up sources or facts. Obtaining or providing unauthorized assistance on any assignment.

ON TESTS AND EXAMS: Using or possessing unauthorized aids. Looking at someone else's answers during an exam or test. Misrepresenting your identity. **IN ACADEMIC WORK**: Falsifying institutional documents or grades. Falsifying or altering any documentation required by the University, including (but not limited to) doctor's notes.

All suspected cases of academic dishonesty will be investigated following procedures outlined in the Code of Behavior on Academic Matters. If you have questions or concerns about what constitutes appropriate academic behavior or appropriate research and citation methods, you are expected to seek out additional information on academic integrity from your instructor or from other institutional resources (see http://www.utoronto.ca/academicintegrity/resourcesforstudents.html).

Please also note this:

The Department of Physical and Environmental Sciences at UTSC provides state-of-the-art education in chemistry. Chemistry being an experimental science makes learning in a laboratory setting critical. In order to provide the latest technology to enhance the student learning experience, UTSC will be charging ancillary fees for all chemistry courses that have a laboratory component. Those fees are used to recover the cost of materials and services used during the lab and to maintain and upgrade the equipment used by students. To view a complete list of those fees, students are encouraged to visit the following link:
http://www.planningandbudget.utoronto.ca/Assets/Academic+Operations+Digital+Assets/Planning+$!26+Budget/2012-13+Category+5+Ancillary+Fees.pdf

I am very excited and looking forward to meeting all of you and working together in this Biochemistry course!