

COURSE OUTLINE – FALL 2017

CHEM 3723: Metabolism

Instructor: Dr. Amitabh Jha: ajha@acadiau.ca; Office: WIL 12, Tel: 902-585-1515

Office Hours: Wednesdays 1:30-4:30 pm (and by appointment)

Textbook: No textbook needed. Recommended: Fundamentals of Biochemistry (5th Ed) by Voet, Voet and Pratt

Lectures: M/W/F, 09:30-10:30 am (Clark's Commons Upstairs, then ELL 312)

Marking Scheme:

Labs	20%
In class quiz	10%
Midterms	30% (MT1 Oct 11, MT2 Nov 8; in class)
Final Exam	40% (Cumulative; TBA)

There will not be any make-up midterm exam. If the midterm is missed with a valid excuse (as determined by the Registrar), that percentage of your grade is transferred to the final exam.

Topics to be Covered:

Enzymes, Enzyme Inhibition
Metabolism of fat, carbohydrate and proteins
Glycolysis
Citric Acid Cycle
Oxidative Phosphorylation in Mitochondria
Beta oxidation of fatty acids
Metabolism of amino acids

Online Learning:

ACORN: Class syllabus, supplementary materials, class announcements, and other important information will be posted on ACORN.

Laboratory Portion

Instructor: Ms Kelly Stevens

Meeting Time and Place: ELL 221, Mondays 1.30-4.30. Prelab in ELL 312 @ 1.30 pm

Lab Manual: Sold by Chem Club \$8

Required Materials for Labs: You will be required to have a) a hardcover laboratory notebook, 2) laboratory manual, 3) lab-coat and 4) lab-glasses to start your laboratory work.

Laboratory Policies: You will be expected to complete ALL laboratory experiments by attending ALL pre-lab sessions and the corresponding laboratory classes. You will also

COURSE OUTLINE – FALL 2017

CHEM 3723: Metabolism

have to write up these laboratories according to a specified format and hand them in to be marked at specified times. Unexcused absences will result in a zero grade for that particular laboratory session. If you have more than one unexcused absence from the laboratory, you will be assigned a failing grade for the course.

Exemption from Laboratory Work: If you are repeating the course, you may be exempt from the lab if you have previously passed the lab component with 60% or better. An official proof will be required; previous lab grade will be used.

Accessible Learning Services:

If you have a documented disability and require support or accommodations, please contact Dr. Abu Kamara, Coordinator, Accessible Learning Services at 902-585-1291, abu.kamara@acadiau.ca or Kathy O'Rourke, Disability Resource Facilitator at 902-585-1823, disability.access@acadiau.ca. Accessible Learning Services is located in the Fountain Commons, Lower Level.

Academic Integrity:

It is your responsibility to acquaint yourself with the university policy on academic integrity. Academic dishonesty such as cheating and plagiarism are not tolerated. Any form of academic dishonesty in examinations, tests, labs, or assignments is subject to serious academic penalty. A full description of the penalties associated with academic dishonesty is outlined in the 2017-2018 Undergraduate Calendar.