

thoughts and expect you to be open to new ways of thinking and to challenge old ways of thinking.

Expectations of the professor

Class notes:

Sets of *incomplete notes*, including figures discussed in class, will be available on the class Blackboard page prior to the corresponding lecture. You are responsible for printing these notes and bringing them with you to class. **You will be responsible for all material covered in lecture, even if**

see of how much information you can find on them. Please be aware that once somebody picks the topic it is not available anymore. There will be no duplication of topics. You need to get Cheryl's approval before you will start working on a topic! Presentation must contain interesting and challenging material. You should submit your presentation no later when Friday, March 27th (this may be changed later on). We would recommend submitting it a little bit earlier (at least up to three days before deadline). You will have time to fix your mistakes in this case. You will be expected to make a short (up to 7 min) presentation at the end of the term in order to receive a full mark. It will be done outside the class time and no more than 10-15 people will be your audience. You should submit your ready presentation to Cheryl at cherylmelanie.chan@mail.utoronto.ca and cc it to me as well.

In general, your presentation should have information about discovery, physical and chemical properties of that molecule, its practical application and interaction with biological system (human body, plant, etc.). Please do not forget to include references into your presentation. The best way to do it – list them as foot notes on each slide. Wikipedia will not be considered as a reference; you must look at the original paper and refer to it.

Here are some molecules which we would like to introduce to our class:

Supplements are everywhere. Dietary supplements and bodybuilding supplements – proteins, amino acids, cofactors, hormones, fat burners, antioxidants and multivitamins. These supplements are being sold based on what we know they do naturally in the human body. How efficacious these isolated, purified and sometimes synthesized supplements are, is a discussion for another time.

Your mission:

I want you to choose any supplement and make a short investigation on this supplement which will include:

1. A picture of the supplement
2. State what the manufacturer is claiming this supplement is doing.
3. By identifying the active ingredient(s) in the supplement justify the manufacturer's claims using your biochemical knowledge of human metabolism.

Be creative with your responses. It could be in the form of a blog post reply or a video reply. If you are using text then a minimum of **250 words** should be used and for videos the time limit is **5 mins**.

More details about this assignment will be posted on a course Blackboard page. **Please use this opportunity to improve your mark in the course!**

Accessibility:

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 *AccessAbility* Services Office as soon as possible. I will work with you and *AccessAbility* Services to ensure you can achieve your learning goals in this course. Enquiries are confidential. The UTSC *AccessAbility* 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