



**IMMUNOLOGY
ADVANCED IMMUNOLOGY
BIOL 462/2, BIOL 633/2
Fall 2016
Department of Biology**



General Information

Credits: 3

Pre-requisites: BIOL 266, BIOL 364 and BIOL 367

Location: LOY CC-314 Tuesdays, 18:00-20:15

Professor: Dr. Chiara Gamberi

Office: SP 375.35

Email: chiara.gamberi@concordia.ca (**Please mention BIOL 462 in subject**)

Office hours: **By appointment only.** Mondays 16.30-17.30,
Tuesdays 20:15-20-45.

TA: Shivaprakash Nagaraju

Email: shivaprakash.kr@gmail.com

Course Description

The course will discuss the functions of the immune system in maintaining body homeostasis and the organization, characteristics and functionality of cells and tissues of the immune system. Topics include: B and T lymphocyte maturation; structure and properties of antibodies; genetics of the antibody synthesis; immune response; overview of disease with immunological bases (e.g., AIDS, cancer, auto-immune diseases). Lectures only.

Objectives

1. Learn features, functions and genetic components of the immune system.
2. Master the immunology-related vocabulary.
3. Explore the relationships between immunity and disease.
4. Master scientific discussion of immunological themes in written and oral format.
5. Develop peer review and peer discussion skills.

Course Material

Lecture slides, reading assignments and course information will be posted on the Moodle course page.

Textbook, required: Kuby Immunology 7th edition by OWEN

Additional readings will be posted on Moodle website and announced in class.

Important dates

October 4: Guest lecture by Biology Librarian Katharine Hall on scientific literature searches and proper scientific citation. Vanier Library, VL-126.

October 11: mid-term exam.

November 15: written assignment due.

Weekly tutorials: Fridays, 1.30-3.30 p.m. from September 16 until December 2. CC-312

Grading:

The majority of marks in this course will be based on the final examination, midterm, written and oral presentation. Final grades will be determined from the cumulative exam score determined from the following weightings:

Evaluation:

Midterm	20%
Oral presentation	20%
Peer feedback	5%
Written chapter	25%
Final exam	30%

Final exam will be held as scheduled by the University. Students with a valid reason for rescheduling their final exam must apply through the examination office.

Final grades out of 100 will be assigned a letter according to Concordia University standards:

A⁺ = ≥90; A = 85-89; A⁻ = 80-84; B⁺ = 77-79; B = 74-76; B⁻ = 70-73;
C⁺ = 67-69; C = 64-66; C⁻ = 60-63; D⁺ = 57-59; D = 54-56; D⁻ =
50-53; F = <50

Exams

Exams will cover material presented in lectures and from the assigned readings. Questions will be both in the form of "multiple-choice" and "short answer" types. Bring your pencils, markers, pens and erasers. Use of electronic devices of any kind (calculators, electronic dictionaries, and especially cell phones) is not allowed.

The final exam will be cumulative and will cover material presented throughout the entire course.

**In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course may be subject to change*.*

Attendance and absence policy

Note: there will be no make-up tests. Should a student miss any test with objective evidence for a genuine reason (e.g., medical note, other official certificate) then the weight of the missed test will be added onto the final exam.

Students who miss a lecture are expected to obtain lecture notes from a colleague.

ACADEMIC INTEGRITY AND ACADEMIC CODE OF CONDUCT: This course (like all other courses offered at Concordia University) follows the 'Academic Integrity and the Academic Code of Conduct'. We strongly encourage students to take a moment to read over this code: <http://registrar.concordia.ca/calendar/17/17.10.html>. Immunology (BIOL 462) and Advanced Immunology (BIOL 633) have a zero tolerance policy for any cheating, plagiarism, personation, or falsification of documents as well as any other form of dishonest behavior related to obtaining academic gains or the avoidance of evaluative exercises committed by the student.

Student Services

- Department's Academic Advisor
- Concordia Counseling and Development offers career services, psychological services, student learning services, etc. <http://cdev.concordia.ca/>
- The Concordia Library Citation and Style Guides: <http://library.concordia.ca/help/howto/citations.html>
- Advocacy and Support Services <http://supportservices.concordia.ca/>
- Student Transition Centre <http://stc.concordia.ca/>
- New Student Program <http://newstudent.concordia.ca/>
- Access Centre for Students with Disabilities <http://supportservices.concordia.ca/disabilities/>
- Student Success Centre <http://studentsuccess.concordia.ca/>
- The Academic Integrity Website <http://provost.concordia.ca/academicintegrity/>
- Financial Aid & Awards <http://web2.concordia.ca/financialaid/>
- Health Services <http://www-health.concordia.ca/>

