



Please note, this syllabus is subject to minor changes. The final version of the syllabus will be posted on Quercus

IMM341H 'Fundamental Immunology Advanced' introduces the basic principles and key players of the immune system: differences and interplay between innate and adaptive immunity, how immune cells develop and function, how immune cells recognize threats and danger and mount an appropriate and measured response.

Course Coordinator: L. Clemenza

Online Office hours: Tuesdays 1-3pm. BB Collaborate Course Room. Drop-in welcome, preferred if emailed for appointment. Other times can be arranged as well.

Lecturer	Phone	Email
L. Clemenza		liliana.clemenza@utoronto.ca
T. Mallevaey		thierry.mallevaey@utoronto.ca
M. Ratcliffe		michael.ratcliffe@utoronto.ca
J. Singh		jastaran.singh@utoronto.ca

Class Time: Thursday, 10am-12pm, Location: TBA. This course will use the **Dual Delivery - HyFlex model**.

Lectures are delivered in-class and live-streamed (Thursday 10:00am-12pm). **Students enrolled in LEC0101 activities will attend lectures in-person, students enrolled in LEC9101 activities will attend lectures online synchronously.** The lectures will also be recorded permitting asynchronous attendance for students in different time zones than Toronto. **Term tests will be delivered online for all students.**

Tutorial: Fridays, 1-2pm, Location TBA. Tutorials are mandatory. New material may be discussed, and new material discussed in the tutorial hour is included on tests. **Students enrolled in LEC0101 activities will attend lectures in-person, students enrolled in LEC9101 activities will attend lectures online synchronously.** The lectures will also be recorded permitting asynchronous attendance for students in different time zones than Toronto. **Term tests will be delivered online for all students.**

Required Textbook: *Janeway's Immunobiology*: 9th Edition by K. Murphy

Evaluation:

Test 1: October 1st 2020 10am-12pm, Online. Will cover lectures 1-3, format: a combination of multiple-choice and short-answer questions, **20% weight**

Test 2: Nov 5 2020, 10am-12pm online. Will cover material from lectures 4-7, format: a combination of multiple-choice and short-answer questions **30% weight**

Peer Scholar Assignment: weekly submissions, **25% weight**. You will submit an assignment every week on the topic of your Friday tutorial using the peer scholar platform (integrated in Quercus). You will also assess 3 peers' assignments and reflect and comment on the feedback you receive. Assignments can be in the form of essay or narrated Powerpoint presentation or video presentation. Each submission is due at 11:59pm on the Wednesdays following each tutorial.



A rubric and instructions for the peer scholar assignment will be posted on Quercus two weeks before classes start.

Final Assessment: Date and time TBA, a combination of multiple-choice and short-answer questions. Will cover lectures 8-10, **weight 25%**

Missing Test Policy: TBA

Last day to cancel F section code courses without academic penalty: November 9 2020

Course schedule:

Lecture	Tutorial	Lecture	Lecturer
Sept 10	Sept 11	Course business, Overview of the Immune System	L. Clemenza
Sept 17	Sept 18	Innate immunity	L. Clemenza
Sept 24	Sept 25	The inflammatory response and the Complement System	L. Clemenza
Oct 1st	N/A	Test 1	
Oct 8	Oct 9	Antibody structure and diversity	M. Ratcliffe
Oct 15	Oct 16	B cell development	M. Ratcliffe
Oct 22	Oct 23	The MHC complex & antigen presentation	T.Mallevaey
Oct 29	Oct 30	T cell development	T.Mallevaey
Nov 5	N/A	Test 2	
Nov 19	Nov 20	T cell activation, differentiation and functions	J. Singh
Nov 26	Nov 27	Lymphocyte signaling	T.Mallevaey
Dec 3	Dec 4	B cell differentiation and functions of Ig classes	L. Clemenza

November 9 – November 13: reading week

Accessibility Needs:

The University of Toronto is committed to accessibility. If you require accommodations for a disability, or have any accessibility concerns about the course, the classroom or course materials, please contact Accessibility Services as soon as possible: disability.services@utoronto.ca or <http://studentlife.utoronto.ca/accessibility>.