Immunology
UNIVERSITY OF TORONTO

IMM430/IMM1430H1
Clinical Immunology
Winter 2026 Syllabus

Course Coordinator
Dr. Dana Philpott, PhD (dana.philpott@utoronto.ca)

Office Hours: Thursday mornings 9am – 12pm. *Please email for appointment – in person or Zoom*

Course Schedule
Lectures will be held in-person
DATE / TIME: Tuesdays 3:00-5:00pm
LOCATION: Refer to ACORN for the most up-to-date information about the location of the course meetings.

Course Overview
This course will address the underlying immunopathogenesis of disease and immunological challenges faced in the clinic, such as boosting the immune system to fight cancer and HIV. Lectures will address the genetics, cellular pathogenesis and therapeutic strategies to treat diseases such as inflammatory bowel disease, sepsis and autoinflammatory diseases.

Course Learning Outcomes
By the end of the course, students will have a greater appreciation of the role of the immune system in health and disease and will have further developed skills in writing and oral communication.

Prerequisites: IMM350H1/IMM351H1
Corequisites: None
Exclusions: None
Recommended Preparation: None
Credit Value: 0.5

Evaluation Scheme & Course Assessments

Assessment	% of Grade
Midterm Exam	30%
Presentation Assignment	40%
Final Exam	30%

TAs:
Julia Lin
Louis Ngai
Karen Yeung
Jennifer Ahn
**All grading will be done by TAs except for graduate student term papers (see below).*

Assessment	%	Details	Due Date
Midterm Assessment	30%	• In class – lecturers will provide questions with short answer responses	2026-02-10
Presentation Assignment	40%	Student will be assigned one of 4 different topics (TBA) In your presentation: • Provide background to the disease you are studying; • Describe how and when the drug/treatment was first tried for the disease; • The stated rationale for its use; • The clinical effect of the treatment; • Subsequent steps to identify its mechanism of action; • Insights into the disease mechanism derived from animal models or its successful clinical use. • Conclusions Your presentation should be approximately 10 minutes (no more than 12 mins) and should contain no more than 10 slides. You can use any preferred software to prepare your presentation so long as it has a 'Record' function. Both Powerpoint and Keynote have this function, as does Zoom. Grading will be based on the following rubric: 40% of the grade will reflect slide formatting, and the quality of the presentation. Are your slides easy to understand? Is your commentary clear and easy to follow? Have you told an interesting story? 60% of the grade will reflect the content. Have you covered the requested information effectively?	2026-03-10
In person Final Exam	30%	Lecturers will provide questions with short answer responses	Final Exam Period (April 9-29, 2026)

Graduate Students in IMM1430H1
IMM1430H1 is available as a graduate course. Note: Students in the Immunology Ph.D. program cannot use IMM1430H1 as part of their graduate credit requirement.

IMM1430H1 students will have an additional term paper component, worth 20% of the course, with the other assessments weighted at 80% (midterm 20%, presentation 40% and final exam 20%). Graduate students will be required to write a term paper (8 pages, double spaced, not including references or brief figures). Expectations for term paper are that the paper demonstrates your critical thinking/evaluation of a focused area related to any

topic touched on in the course but **not** in your immediate research area. You are free to discuss possible topics with any of the instructors, and you must obtain approval from the course coordinator (Dr. Philpott) for your essay topic in advance. Approval must be obtained by **March 6, 2026**. Essays must be handed in as a PDF uploaded to the Quercus site. Due Date: **April 3, 2026**. Essays will be graded by the course coordinator with potential input from another faculty member with expertise in the area.

Statement on Academic Integrity

All students, faculty and staff are expected to follow the University's guidelines and policies on academic integrity. For students, this means following the standards of academic honesty when writing assignments, collaborating with fellow students, and writing tests and exams. Ensure that the work you submit for grading represents your own honest efforts. Plagiarism—representing someone else's work as your own or submitting work that you have previously submitted for marks in another class or program—is a serious offence that can result in sanctions. Speak to your course instructor for advice on anything that you find unclear. To learn more about how to cite and use source material appropriately and for other writing support, see the U of T writing support website at http://www.writing.utoronto.ca. Consult the Code of Behaviour on Academic Matters for a complete outline of the University's policy and expectations. For more information, please see http://www.artsci.utoronto.ca/osai and http://academicintegrity.utoronto.ca.

Students will be required to submit their course assignments (Presentation/Term Paper) to the University's plagiarism detection tool for a review of textual similarity and detection of possible plagiarism. In doing so, students will allow their assignments to be included as source documents in the tool's reference database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of this tool are described on the Centre for Teaching Support & Innovation web site (https://uoft.me/pdt-faq).

Generative AI Tools in IMM430/1430H1

Students may use artificial intelligence tools for creating an outline for the presentation assignment (and for the IMM1430H1 term paper) and these tools may be useful when gathering information from across sources and assimilating it for understanding. However, the final submitted assignment must be original work produced by the individual student alone. The course coordinator reserves the right to ask students to explain their process for creating their assignment.

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.

Missed Assessment Policy

This course follows the University of Toronto's Policies on missed tests and assignments and requires students to complete an Absence Declaration on ACORN for illness-related circumstances. Other reasons for missing course assessments will require prior approval by the course coordinator. If approval is not granted in advance for non-medical reasons, then 0% will be recorded for the missed assessment.

Note: If you submit an assessment, it will be assumed that you deemed yourself fit enough to do so and your grade will stand as calculated. No accommodations will be made based on claims of medical, physical or emotional distress after the fact.

Missed Presentation: For missed presentation assignments there will be a penalty per day of 10%.

Missed Midterm: Missed midterm tests will be accommodated at the course coordinator's discretion. Only 1 make-up midterm will be scheduled, normally within 1-2 weeks after the missed test.

Missed Final Exam: If you are not able to write your in-person final exam at the scheduled time due to extenuating circumstances outside of your control, you may submit a deferred exam petition through the Faculty of Arts & Science.

Questions & Additional Course Help

All course content or course administration questions must be posted to the online Discussion Board on Quercus or brought to office hours. Any messages of a more personal nature (e.g., medical documentation for a missed class/assignment) should be emailed to the instructor (dana.philpott@utoronto.ca). You can expect a response within 48 hours (Monday-Friday) to a discussion board posting or to an email.

Drop Date

The **final date to courses without academic penalty** is March 16, 2026

Course Lectures

Week	Description
Week 1 06 JAN 2026	Dr. Philpott will provide overview of the course. Dr. Bryan Coburn – Microbiome in health and disease
Week 2 13 JAN 2026	Dr. Dilan Dissanayake – Autoinflammatory Diseases - Learning Immunology from Zebras
Week 3 20 JAN 2026	Dr. Rupert Kaul – What's the holdup? Just make an HIV vaccine already!
Week4 27 JAN 2026	Dr. Eytan Wine – Pathogenesis of Inflammatory bowel disease
Week 5 03 FEB 2026	Dr. Daniel Winer - Immunology of obesity related insulin resistance.
Week 6 10 FEB 2026	Midterm exam during class hours
Week 7 17 FEB 2026	**READING WEEK (University Closed)**
Week 8 24 FEB 2026	Dr. Diana Nakib - Immunology of Liver Transplantation and Autoimmune Liver Disease
Week 9 03 MAR 2026	Drs. Eyal Grunebaum and Robyn Loves
Week 10 10 MAR 2026	Dr. Robert Rottapel Presentation assignment due **last day to drop S courses is March 16**
Week 12 17 MAR 2026	Dr. Vincent Piguet
Week 13 24 MAR 2026	Dr. Chao Wang - Immune regulation of depression
Week 14 31 MAR 2026	Dr. Josef Penninger
2 APR 2026	Graduate student term papers due today by midnight.
09 – 29 APR 2026	Final Exam Period (Exam Date TBD)