



Microbiology and Immunology for Nursing Students N3820b Calendar description:

The host immune response to microorganisms, the biology of microorganisms with disease

How we will work together: ry,

N3820A Microbiology and Immunology Topic Outline		
Week	Topic	Course Learning Outcomes
January 8 <sup>th</sup>	Orientation to course Introduction to Immune system Host pathogen interaction basics	1 & 2
January 15 <sup>th</sup>	Innate Immunity versus Adaptive Immunity	1
January 22 <sup>nd</sup>	Allergies  Autoimmune diseases	Case Study #1 open with additional practice case study  1 & 3
January 29 <sup>th</sup>	Vaccines	1 & 3
February 5 <sup>th</sup>	Basic Taxonomy, structure, and characteristics of Pathogens	1 - 3
February 12 <sup>th</sup>		

February 19 <sup>th</sup>	Reading Week		4, 5, 6, 7, 8
February 26 <sup>th</sup>	Microbial infections of the Dermatological system	Case Study#2 open	
March 4 <sup>th</sup>	Microbial infections of the Upper and Lower Respiratory system	Case study #3 open	4, 5, 6, 7, 8
March 11 <sup>th</sup>	Microbial infections of the Gastrointestinal system		

### Required Textbooks:

There are no required textbooks for this course. Any readings related to course content will be posted in OWL in the corresponding week.

Many students have shared that the following YouTube channels have assisted in their learning as well, however the content developed and shared by the course professor is what is considered examinable.

---



---



---



---

### Opportunities to Demonstrate Learning

#### Mid-term Exam

Week of February 12<sup>th</sup> - ONLINE

Value 30% of the course grade

The purpose of this exam is to provide an opportunity for the student to apply knowledge of all concepts discussed in the course to date for week 5 inclusive. This examination will consist of multiple choice questions and will be taken via OWL tests and quizzes with the use of Proctortrack.

#### End of Course Exam

December Exam Period – IN PERSON

Value 40% of final course grade

The purpose of this exam is to provide an opportunity for the student to apply knowledge of concepts discussed in the course AFTER the midterm content (ie Microbial infections of the Dermatological system to nosocomial infection module inclusive) This examination will consist of multiple choice questions and will be held IN PERSON.

#### Peer-Wise Multiple choice generation and participation

Due by end of term (April 8 at 2355)

Value 10% of Final course grade (5% for question creation, 5% for question response)

Due: Throughout term, closes April 8<sup>th</sup> at 2355

We will be using PeerWise as a place for you to create, share and evaluate assessment questions with your classmates. Your grade will be based on the number of questions you create – as well as your review of (and comments on) questions created by your peers



### OWL Forum and Course Zoom Drop-Ins

Each week you are invited to post any questions you have about the weekly lecture content by the end of the week. Everyone is invited to participate in answering questions, I will moderate and provide clarification where needed. I will have purposeful course zoom drop-ins at times during the course where clarification may be needed – please watch for announcements on when these will occur. These will be recorded and posted onto OWL. Otherwise individual office hours can be requested via OWL.

### Policies

All policies related to assignments, attendance and dress code are in the Undergraduate BScN Programs Manual on the [Nursing Undergraduate Information SharePoint site](#) and on the Fanshawe College web site in the Program manual located in the Virtual Home Room at [www.fanshaweonline.ca](http://www.fanshaweonline.ca)

Due to the significance of theoretical and practice knowledge in developing professional competence, students are expected to demonstrate professional responsibility through regular attendance at, and, participation in all scheduled learning activities. Much of the learning that takes place is a result of preparation and engagement with the material and active dialogue with colleagues and faculty. Therefore, students are expected to attend all professional practice days, including labs and praxis.

### Attendance

Students are expected to demonstrate professional responsibility through regular attendance at, and participation in, all scheduled learning activities as part of the development of professional competence. Much of the learning that takes place is a result of preparation and engagement with the material and active dialogue with colleagues and faculty. Therefore, students are expected to organize their schedules such that online course materials may be viewed/completed each week.

### Technical Requirements

Virtual drop-in sessions will be held using the video conferencing platform Zoom. Zoom is a cloud-based solution for video and audio conferencing, collaboration, and online meetings. The Zoom License is available for students, faculty, and staff at Western and its affiliated colleges. faculty, staff and students at Western and its affiliated colleges have free access to Zoom License for all of their web conferencing needs. You will need a computer with webcam and audio capabilities, or you can use Zoom with your mobile device. Visit <https://wts.uwo.ca/zoom/index.html> for details and assistance.

### Online Etiquette

Some components of this course will involve online interactions. To ensure the best experience for both you and your classmates, please honour the following rules of etiquette:

- please “arrive” to class on time
- please use your computer and/or laptop if possible (as opposed to a cell phone or tablet)
-



- to minimize background noise, kindly mute your microphone for the entire class until you are invited to speak, unless directed otherwise
- [suggested for classes larger than 30 students] In order to give us optimum bandwidth and web quality, please turn off your video camera for the entire class unless you are invited to speak
- [suggested for cases where video is used] please be prepared to turn your video camera off at the instructor's request if the internet connection becomes unstable
- unless invited by your instructor, do not share your screen in the meeting

The course instructor will act as moderator for the class and will deal with any questions from participants. To participate please consider the following:

- if you wish to speak, use the "raise hand" function and wait for the instructor to acknowledge you before beginning your comment or question
- remember to unmute your microphone and turn on your video camera before speaking
- self-identify when speaking.
-



-  
their practice placement.

Mental Health