

MICR402 - Virology
CRN 12321
Fall 2023

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Territorial acknowledgement

We acknowledge and respect the Indigenous peoples on whose traditional territory the university stands and the Stwe'gwe'is, E'isp'ic'ale'w'ay' and other member of the class. We will gladly honour your request to

address you by an alternate name or gender pronoun.

Throughout the course, we will discuss a number of topics and diseases that have affected marginalized communities, brought on prejudice and discrimination and have disproportionately disadvantaged specific groups. When discussing these topics, please remember respect and compassion. If you or your loved ones have been affected by these conditions and you find in-class content or discussions triggering, please know you can leave the classroom at any point.

Monday and Thursday 8.30 AM – 9.50 AM, at Cornett A221 (location subject to change).
This is an _____ class and all lectures will be delivered face-to-face.

Office hours will be held _____ I will be available online on Mondays 1pm – 2 pm. Outside of these times, you can use the Brightspace forums for content-related questions or reach me by email.

A Brightspace site has been created for the course. I will upload lecture slides there, usually the day

colleagues will be able to see the answer as well.

When you're using email to contact me, please include MICR402 in the Subject line. Be prepared that my email response times will vary, and I will not respond to emails outside of business hours (Monday to Friday 8 am to 5 pm).

There is no specific textbook for the course. Most of the basic biology is based on information from Fields Virology, but be aware that the textbook itself will not provide you with all sufficient information.

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- Students will be able to illustrate all the necessary steps for the propagation of infectious viruses
 - Students will know the mechanisms of pathogenesis of important human viruses, and be able to compare viral pathology between different viruses
 - Students will be able to describe societal, epidemiological and environmental factors that have contributed to viral evolution, spread and pathogenesis
 - Students will be able to understand virology research articles and critically examine the methodology and conclusions described therein

Topics are subject to change without warning.

_____	_____	_____
Thursday 7 th September	Introduction to the class and to viruses	
Monday 11 th September	Viral classification, genome organization and structure	
Thursday 14 th September	The viral lifecycle – part 1	
Monday 18 th September	The viral lifecycle – part 2	
Thursday 21 st September	Techniques to study viruses	
Monday 25 th September	Viruses and the immune system – intrinsic immunity	
Thursday 28 th September		
Monday 2 nd October	_____	
Thursday 5 th October	Viruses and the immune system – adaptive immunity	
Monday 9 th October	_____	

At the start of the course, you will be given a choice of 2 research articles and a set of questions pertaining to the methodology, data interpretation and conclusions of the paper. You are required to only read and answer questions to one of these articles of your choice. Questions will be provided in a fillable document. Once completed, you will be able to upload your document with answers on Brightspace and submit them for assessment.

At the start of the course, you will be given 2 broad questions or statements. You are to choose one of these topics and write a 1000-word opinion piece on it. You are allowed to interpret the question as you choose, but all of your statements, arguments and points of view must be supported by appropriate scientific literature and cited accordingly. All citations should be in the Vancouver-style citation system.

You are also required to submit a Graphical Abstract that accurately represents the arguments you have made in your written portion. The graphical abstract should allow your reader to understand the main points conveyed in your 1000 words of writing. The Graphical Abstract can be generated with any software of your choice. Microsoft Office is available for free to all students via UVic. If you prefer, you can also paint/draw by hand and scan the image for your submission. The medium of the graphical abstract has no impact on the grade, nor is your level of artistic skill being assessed. The point of the graphical abstract is to summarize the message you have in your written assignment.

Graphical abstracts should be a single image with no legend attached. You are allowed to use writing in the Figure itself but try and limit that to labels. Both your essay and graphical abstract should be submitted as a single document via Brightspace.

student taking a deferred examination to discuss the

survey is vital