

# Biology 4218A Plant Pathology Course Outline

## 1. Course Information

### Course Information

Biology 4218A Plant Pathology Fall Term 2023

### List of Prerequisites

The prerequisite for this class is Biology 3218F/G.

Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

## 2. Instructor Information

Course coordinator	Email	Office	Phone	Office Hours
Prof. Thomas A. DeFalco	tdefalc@uwo.ca	NCB404	x81475	By Appointment

If you are contacting your instructor, please use your Western (@uwo.ca) email address and Bio4218A may be held on Zoom or in-person. Please email the instructor to arrange an appointment or inquire in class.

## 3. Course Syllabus, Schedule, Delivery Mode

### Course description and list of topics

Biology 4218A is a lab course on plant pathology. The general areas of study are listed below, check the OWL site for specific dates and reading lists.

Lecture topics and dates are on the OWL site.

### Learning objectives

By the end of this course, students should be able to:

Explain what is meant by phytopathology through theoretical (lecture) and practical (laboratory) learning experiences.

Demonstrate the ability to identify disease symptoms and signs (both biotic and abiotic) in living plant material.

Identify and describe organisms that cause plant diseases from the following groups:

Virus, Bacteria, Protozoa, Fungi, Nematodes, Plants.

Understand how the infection process works, disease develops and spreads.

Understand the mechanisms of plant defense and immunity against disease-causing pathogens and pests.

Demonstrate a knowledge of the methods used to control pathogens, including cultural, breeding, regulatory and chemical.

From the Laboratory portion of the course students should be able to define, describe and identify example pathogens, recognize their symptoms and signs and their pathogenesis.

**Key sessional dates**

First class: Sept 7, 2023

Fall study break: Oct 30-Nov 5, 2023



If you miss the Final Exam, please contact the Academic Counselling office of your Faculty of Registration as soon as you are able to do so. They will assess your eligibility to write the Special Examination (the name given by the University to a makeup Final Exam).

(e.g., more than 2 exams in 23-hour period, more than 3 exams in a 47-hour period).

## **6. Accommodation and Accessibility**

### **Religious Accommodation**

When a course requirement conflicts with a religious holiday that requires an absence from the University or prohibits certain activities, students should request accommodation for their

papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (<http://www.turnitin.com>).

Tests and examinations in this course may be conducted using a remote proctoring service. By taking this course, you are consenting to the use of this software and acknowledge that you will be required to provide **personal information** (including some biometric data) and the session will be **recorded**. Completion of this course will require you to have a reliable internet connection and a device that meets the technical requirements for this service. More information about this remote proctoring service, including technical requirements, is available

<https://remoteproctoring.uwo.ca>.

## 8. Support Services

Please visit the Science & Basic Medical Sciences Academic Counselling webpage for information on adding/dropping courses, academic considerations for absences, appeals, exam conflicts, and many other academic related matters: <https://www.uwo.ca/sci/counselling/>.

Students who are in emotional/mental distress should refer to Mental Health@Western (<https://uwo.ca/health/>) for a complete list of options about how to obtain help.

Western is committed to reducing incidents of gender-based and sexual violence and providing compassionate support to anyone who has gone through these traumatic events. If you have experienced sexual or gender-based violence (either recently or in the past), you will find information about support services for survivors, including emergency contacts at

[https://www.uwo.ca/health/student\\_support/survivor\\_support/get-help.html](https://www.uwo.ca/health/student_support/survivor_support/get-help.html).

To connect with a case manager or set up an appointment, please contact [support@uwo.ca](mailto:support@uwo.ca).

Please contact the course instructor if you require lecture or printed material in an alternate format or if any other arrangements can make this course more accessible to you. You may also wish to contact Accessible Education at

[http://academicsupport.uwo.ca/accessible\\_education/index.html](http://academicsupport.uwo.ca/accessible_education/index.html)