

Biology 1290B—Biology and Microorganisms

Course Outline (Syllabus) Winter 2016

Course Information:

Biology 1290B – The fundamental principles of biology with emphasis on cell function and the role of microorganisms in public health, sanitation, food, and nutrition. Restricted to Food and Nutrition modules or by permission of the Department of Biology.

Summary of course structure:

Office hours. Dr. Richard Gardiner rgardine@uwo.ca
By appointment. Room 105E Biotron

Communicating with instructor: Use your uwo email account only. I will not respond to emails originating from non-uwo email accounts. **Make sure, at all times, that your uwo account doesn't go over quota as you may not be able to receive any messages or responses from us.**

Prerequisites:

Grade 12 U Biology

May not be taken for credit by students registered in any modules offered by either the Faculty of Science or the Schulich School of Medicine and Dentistry.

Course Syllabus:

Course Objectives

This course is an introduction to life at the cellular level, with special emphasis on microorganisms, and is primarily for students in the Foods and Nutrition program of Human Ecology offered by Brescia College. Students will learn about cellular processes and the different kinds of microorganisms, the factors affecting their growth, and how microbes influence human activity, particularly in the areas of food quality and health.

You will study the principles that govern the role of microorganisms in agriculture, food spoilage and preservation, and food-borne infections. Public health microbiology, including water and sewage treatment, and the spread of infection in human populations will be discussed.

Biology 1290B will be administered and delivered through OWL. You will be able to access this syllabus (course outline) on the course web page, as well as a folder containing lecture files in PDF format, a folder containing answers for completed exams and sample questions, a "My Grades" link that will give your evaluation marks, and an announcement link on which I will post further information as necessary.

Course Format

Classroom Instruction. Lectures (1.30 -2.30 room 40 HSB Tuesdays and Thursdays) will follow a standard lecture format. Course notes are available on the web page. Tutorial periods are on Tuesdays at 2.30-3.30 in room 40 HSB, and are used to administer tests and give review sessions, and to catch up in lectures in the event of bad weather class cancellations etc.

Evaluations will be based on two tests given in the regular class-tutorial 2 hour time slot on designated Tuesdays, and a final examination. The tests and the final exam will each be in multiple choice question format. The tests are not cumulative, will consist of multiple choice and written questions. The final exam will be cumulative, it encompasses all material covered in the course.

Required Course Materials

Text Book: Fundamentals of Microbiology, J. C. Pommerville, Tenth Edition
(Includes soft cover additional chapters booklet)
Electronic Resource Also Available

Evaluations of assignments/final exam:

Term Test One	25 %
Term Test Two	25 %
Final Exam	50 % (Cumulative)

Attendance: *Attendance at Lecture is recommended as all material mentioned in lecture, whether on the slides or not, is testable.*

A student requiring academic accommodation due to illness must use the Student Medical Certificate when visiting an off-campus medical facility or request a Records Release Form (located in the Dean's Office) for visits to Student Health Services.

The form can be found here: https://studentservices.uwo.ca/secure/medical_document.pdf

Students who are in emotional/mental distress should refer to Mental Health@Western <http://www.uwo.ca/uwocom/mentalhealth/> for a complete list of options about how to obtain help.

The final exam in this course must be attempted otherwise a grade of “F” will be assigned to the course.

Course Content: All content will be from the Lectures and Assigned Readings from the Text Book

Accessibility:

Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Services for Students with Disabilities (SSD) at 661-2111 ext. 82147 for any specific question regarding an accommodation.

Important Information:

If you would like to make an audio recording of the lectures/tutorials in this course, you **MUST** ask permission first. According to intellectual property laws, not asking permission constitutes stealing. We do **NOT** permit videotaping or photographing lectures.

Course material (i.e. lecture slides, videos, and other supplementary material posted on OWL) is the intellectual property of your instructor and is made available to you for your personal use in this course. Sharing, posting or using this material outside of your personal use in this course is considered an infringement of intellectual property rights.

Additional Information:

Academic Offences: Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site: <http://www.uwo.ca/univsec/handbook/appeals/scholoff.pdf>

Academic Accommodations for Religious Holidays: The Faculty of Science strictly adheres to the University policy on accommodation for students based upon conflicts with religious holidays. Accommodation will only be granted for the specified date of the religious holiday. Only holidays appearing on the University-approved list of dates will be accommodated. See the academic counsellors in the Office of your Dean for the list of approved dates. Students requesting accommodation must do so, in writing, to the academic counsellors in the Office of your Dean at least one month before the scheduled exams/assignments.

SDC's Learning Skills Services, Rm 4100 WSS, www.sdc.uwo.ca/learning.

LS counsellors are ready to help you improve your learning skills. They offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual support is offered throughout the Fall/Winter terms in the drop-in Learning Help Centre, and year-round through individual counselling.

Course Communications

Students must check OWL (<http://owl.uwo.ca>) and their uwo.ca email on a regular basis. This is the primary method by which information will be disseminated to all students in the class. The missing of critical information due to your failure to check OWL or email cannot be used as a basis for appeal.

Code of Student Conduct

To foster a supportive and enriching academic environment that is conducive to learning and free inquiry, Western has a Code of Student Conduct (available in the Administration folder on OWL) (<http://www.uwo.ca/univsec/pdf/board/code.pdf>)