

**Plant Biology BIOL 1130
Fall 2022 Lecture Syllabus**

Class Meeting Information

MW 11:00-12:30

RM M339

Instructor: Martha Barton

Email: mbarton@lakeheadu.ca

Office hours: By appointment (email me to set up a time and place)

Course Description:

An introduction to plant diversity stressing the evolution of plants. Comparative morphology of vegetative and reproductive structures will be emphasized. Topics will also include functional anatomy, photosynthesis and respiration.

Required Textbook: Stern's Introductory Plant Biology 15th Edition, By James Bidlack and Shelley Jansky. ISBN13: 9781260240832

Here is a link to purchase/rent the text. I'm sure there are many other ways to purchase it as well.

<https://www.mheducation.com/highered/product/stern-s-introductory-plant-biology-bidlack-jansky/M9781260240832.html>

Required Laboratory Manual

Exploring Biology in the Laboratory, 3rd edn., Murray P. Pendarvis and John L. Crowley (Third edition, 2018), Morton Publishing, Englewood, CO, USA. ISBN 978-1-61731-755-2.

This will serve as the lab manual for this course and BIOL-1110: Animal Biology

*Students will also need a lab coat for labs.

*Lab start date 12 September 2022.

Course Website

All course information will be posted on the myCourseLink. Students must sign into this course to gain access to lectures, assignments, etc.

To log into your course website:

1. Go to <https://mycourselink.lakeheadu.ca/d2l/home>
2. Enter your Lakehead University email username and your password.
3. Click on the course title to enter the course.

Course communications

Class correspondence outside of class times will be via announcements on D2L or through your University email. For example, if I must cancel class for any reason, I will put an announcement out this way.

Exams and Quizzes

Exams and quizzes will be held in class. Types of question formats you might see will be fill in the blank, short answer, multiple choice, and matching. There may be questions that ask you to draw or interpret figures and/or tables.

Course assessment breakdown

Course grading scheme	
Midterm 1	15%
Midterm 2	20%
Final exam	20%
Course participation/quizzes	5%
Laboratory	40%

Attendance

Students are encouraged to attend all lecture periods. If you are absent on a class discussion day, you will lose credit for evaluation that day.

Late work

Due dates and times for assignments will be given through D2L. It is your responsibility to keep track of when assignments are due. If you are late turning in work, you will lose 25% of your grade per day it is late if you do not have a valid excuse.

Academic Dishonesty

This course will follow the rules outlined in the University's Code of Student Behaviour and Disciplinary Procedures. (link below). When creating your assignments, please put the information into your own words and cite your sources. In other words, do not plagiarize your work. If you ever have questions, please ask prior to submitting your work. Please do not cheat on assignments, quizzes, or exams.

<https://www.lakeheadu.ca/sites/default/files/uploads/106/Item%204.1.1%20c%20-%20Code%20of%20Student%20Behaviour%20and%20Disciplinary%20Procedures.pdf>

Temporary Steps to Follow for Student Illness & Missed Assessments such as an Exam, Test, Quiz, etc.

If you are ill and need to defer an assessment, please follow these steps:

1. Inform your instructor(s) directly by email from your lakeheadu.ca email
2. In exceptional circumstances, should a medical situation arise leading up to or during the assessment, inform your instructor immediately, or if you are incapacitated, inform your instructor as soon as you are able.

3. Within the email, you will be required to provide a self-declaration affirming your illness to be true. In order for your assessment to be deferred and rescheduled, you will be required to include the following Self-Declaration

Please refer [to https://www.lakeheadu.ca/studentcentral/exams-grades/missed-exam-medical-personal](https://www.lakeheadu.ca/studentcentral/exams-grades/missed-exam-medical-personal) for details. If you have any questions or require any assistance related to this, please contact Student Central at (807) 343-8500 or studentcentral@lakeheadu.ca, or your instructor directly.

Student Accessibility Services

Lakehead University is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities. If you are a student with a disability and think you may need accommodations, you are strongly encouraged to contact Student Accessibility Services (SAS) and register as early as possible. For more information, please visit [Student Accessibility Services](#).

Tentative Schedule BIO 1130 Fall 2022

Week	Date	Topic	Readings
Week 1	07-Sep	Welcome!	
Week 2	12-Sep	Plant biology	Chapters 1 and 2
	14-Sep	Cells/tissues	Chapters 3 and 4
Week 3	19-Sep	Roots and soils	Chapter 5
	21-Sep	Stems/leaves	Chapters 6 and 7
Week 4	26-Sep	Flowers, fruits, and seeds	Chapter 8
	28-Sep	Midterm #1	
Week 5	03-Oct	Water in plants	Chapter 9
	05-Oct	Plant metabolism	Chapter 10
Week 6	10-Oct	No class - Thanksgiving	
	12-Oct	Plant metabolism	Chapter 10
Week 7	17-Oct	Growth and development, propagation	Chapters 11, 14
	19-Oct	Meiosis and Alternation of generations	Chapter 12
Week 8	24-Oct	Fall Study Break	
	26-Oct		
Week 9	31-Oct	Evolution	Chapter 15
	02-Nov	Midterm #2	
Week 10	07-Nov	Plant names and classification	Chapter 16
	09-Nov	Kingdom Protista	Chapter 18
Week 11	14-Nov	Introduction to the plant kingdom: bryophytes	Chapter 20
	16-Nov	The Seedless Vascular Plants: Ferns and their relatives	Chapter 21
Week 12	21-Nov	Introduction to the Seed plants: Gymnosperms	Chapter 22
	23-Nov	Seed plants: Angiosperms	Chapter 23
Week 13	28-Nov	Seed plants: Angiosperms	
	30-Nov	Flowering plants and civilization	Chapter 24
Week 14	05-Dec	Ecology/Biomes	Chapters 25 and 26
	TBD	Final Exam	