

**BIOL 1130 – FDE/FA**

**Plant Biology**

**Fall 2021**

**Instructor:** Dr. Philippe St. Martin

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**Office hours:** Wednesday 11:00 AM – 2:00 PM. Chat or video appointments can be made via email.

**Lectures Monday and Wednesday 4:00 – 5:30 PM:** Lectures are bi-weekly and generally precede material covered in lab sections. Material will include lecture-based slides and short videos. Students are expected to take notes to supplement lecture materials in order to succeed in this class. Lectures are delivered in a hybrid in-person and online (Zoom) format. Lectures will be recorded and uploaded to the Lakehead Zoom portal for future reference.

**Pre-Lecture Assignments:** Included with the purchase of the digital textbook is access to McGraw-Hill Connect and SmartBook, an online learning resource created by the publishers. Once a week (before lectures), students will be required to answer questions based on the upcoming topics to be covered that week. This is to ensure that students read the required chapters beforehand, and to allow the lectures to be customized to cover particular areas as identified by students' responses.

**Exams:** The lecture component of this course comprises 60% of the final mark. In addition to the pre-lecture assignments, there will be two midterms and one final exam. See the lecture schedule for exam dates. The mark breakdown is as follows:

**SmartBook pre-lecture assignments: 10%**

**Midterm 1: 15%**

**Midterm 2: 15%**

**Final: 20%**

**Total: 60%**

**See Plant Biology Laboratory Manual Fall 2021 for more course details**

## Fall 2021 Lecture Schedule

Lecture	Date	Topic	Chapter
1	08-Sep	Introduction	
2	13-Sep	Plant cells - Structure	3
3	15-Sep	Plant cells - Tissues	4
4	20-Sep	Plant cells - Mitosis and vegetative reproduction	3
5	22-Sep	Organs - Roots and the soil	5
6	27-Sep	Organs - Roots and Stems	6
7	29-Sep	Organs - Stems and Leaves	7
8	04-Oct	Evolution and Taxonomy	15, 16
	06-Oct	<b>Midterm 1</b>	
	11-Oct	<b>Reading Week</b>	
	13-Oct		
9	18-Oct	Meiosis and life cycles	12
10	22-Oct	Prokaryotes and bacteria	17, 18
11	25-Oct	Non-vascular plants - Fungi and Lichens	19
12	27-Oct	Non-vascular plants - Bryophytes	20
13	01-Nov	Seedless vascular plants	21
14	03-Nov	Flowers, Fruits, and Seeds	8
15	08-Nov	Gymnosperms	22
	10-Nov	<b>Midterm 2</b>	
16	15-Nov	Angiosperms	23
17	17-Nov	Metabolism - Photosynthesis	10
18	22-Nov	Metabolism - Respiration and Transpiration	9
19	24-Nov	Metabolism - Secondary compounds	11
20	29-Nov	Ecology - Symbiosis	25
21	01-Dec	Ecology - Succession	25
22	06-Dec	Conclusion	