

BIOL 1130- FDE

Plant Biology

Fall 2020

Instructor: Dr. Philippe St. Martin

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Office hours: Tuesday and Thursday, 9:00 AM – 12:00 PM. Chat or video appointments can be made via email.

Lectures Monday and Wednesday 8:30 AM: 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 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 (online). 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 2020 for more course details

Fall 2020 Lecture Schedule

Lecture	Date	Topic	Chapter
1	09-Sep	Introduction	
2	14-Sep	Plant cells - Structure	3
3	16-Sep	Plant cells - Tissues	4
4	21-Sep	Plant cells - Mitosis and vegetative reproduction	3
5	23-Sep	Organs - Roots and the soil	5
6	28-Sep	Organs - Roots and Stems	6
7	30-Sep	Organs - Stems and Leaves	7
8	05-Oct	Evolution and Taxonomy	15, 16
	07-Oct	Midterm 1	
	12-Oct	Reading Week	
	14-Oct		
9	19-Oct	Meiosis and life cycles	12
10	21-Oct	Prokaryotes and bacteria	17, 18
11	26-Oct	Non-vascular plants - Fungi and Lichens	19
12	28-Oct	Non-vascular plants - Bryophytes	20
13	02-Nov	Seedless vascular plants	21
14	04-Nov	Flowers, Fruits, and Seeds	8
15	09-Nov	Gymnosperms	22
	11-Nov	Midterm 2	
16	16-Nov	Angiosperms	23
17	18-Nov	Metabolism - Photosynthesis	10
18	23-Nov	Metabolism - Respiration and Transpiration	9
19	25-Nov	Metabolism - Secondary compounds	11
20	30-Nov	Ecology - Symbiosis	25
21	02-Dec	Ecology - Succession	25
22	07-Dec	Conclusion	