

BIOL 1130 - FDF

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.

Textbook: OpenStax Biology 2nd ed. Available at: <https://openstax.org/details/books/biology-2e>

Lectures Monday and Wednesday 3:30 – 5:00 PM: Lectures are bi-weekly and generally precede material covered in lab sections. Material will include lecture-based slides and short videos. Lectures are delivered as pre-recorded Zoom videos accessible anytime after the days lecture period. The lectures are videos are approximately one hour in length; the remaining half hour of the lecture period is dedicated to live discussion period where the class can discuss questions concerning the previous lecture, or another topic related to plant biology. Students are encouraged to take notes during live discussions to supplement lecture materials.

Pre-Lecture Assignments: Included with the purchase of the 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:

Midterm 1:	20%
Midterm 2:	20%
<u>Final:</u>	<u>20%</u>
Total:	60%

Fall 2021 Lecture Schedule

Lecture	Date	Topic	OpenStax Biology 2 nd ed.
1	08-Sep	Introduction	
2	13-Sep	Plant cells - Structure	4
3	15-Sep	Plant cells - Tissues	30
4	20-Sep	Plant cells - Mitosis and vegetative reproduction	10,14,32
5	22-Sep	Meiosis and life cycles	11
6	27-Sep	Photosynthesis	8
7	29-Sep	Organs - Stems and Leaves	30
8	04-Oct	Organs - Roots and the soil	30,31
	06-Oct	Midterm 1	
	11-Oct	Thanksgiving	
9	13-Oct	Organs - Roots and Stems	30
10	18-Oct	Evolution and Taxonomy	18,19,20
11	20-Oct	Non-vascular plants – Fungi, Lichens, and Bryophytes	24,25
	25-Oct		
	27-Oct	Reading Week	
12	01-Nov	Seedless vascular plants	25
13	03-Nov	Flowers, Fruits, and Seeds	32
14	08-Nov	Gymnosperms	26,32
	10-Nov	Midterm 2	
15	15-Nov	Angiosperms	26,23
16	17-Nov	Metabolism - Respiration and Transpiration	7
17	22-Nov	Metabolism - Secondary compounds	
28	24-Nov	Ecology - Symbiosis	44,45
19	29-Nov	Ecology - Succession	44,45
20	01-Dec	Conclusion	