

**BIOLOGY 324 – BIOLOGY OF LAND PLANTS
COURSE OUTLINE – SPRING TERM 2021**

Course Instructor: Dr. Lan Tran
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Lab Instructor: Dr. Vasko Veljanovski
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Course Objectives: To provide a basic understanding of land plant anatomy, morphology, diversity, and evolution. We will learn how plants reproduce and will study the increasing complexity of plant form over evolutionary time. Where applicable, examples of plant biology research will also be discussed.

Textbook: Raven Biology of Plants, 8th Ed (2013), Evert & Eichhorn, Freeman Publ. (recommended)

Course Materials: Lecture materials will be made available on the course Brightspace site. Please be aware that the recorded lecture and slides are outlines, not detailed notes, to help you organize and review the material. Exams will be based on lecture material, but readings from the textbook and other literature where applicable will help reinforce the concepts. Lab materials will be available on MS Teams.

Evaluation:	Lab (synchronous)*	40%
	Midterm Exams (Feb & Mar, 15% each)	30%
	Final Exam (Apr)	20%
	Participation Quizzes (0.5 or 1% each)**	5%
	SURA Proposal	5%

*Please attend your registered section. **You must attend and pass the lab to pass the course.**

**Depending on the number of quizzes assigned.

Letter Grade Conversion:	A+ 90-100%	A 85-89.5%	A- 80-84.5%
	B+ 77-79%	B 73-76.5%	B- 70-72.5%
	C+ 65-69.5%	C 60-64.5%	D 50-59.5%

There will be no deferred or supplemental midterm or final exam. If you miss an exam for a documented medical reason, the evaluation breakdown will be adjusted accordingly. Make-up final exams will only be considered if a formal Request for Academic Concession is provided.

Academic Integrity:

Please ensure that you read and understand the University's **Policy on Academic Integrity** which can be found on UVic calendar:

<http://web.uvic.ca/calendar2020-09/undergrad/info/regulations/academic-integrity.html>

Proposed Course Outline 2021

DATE (week of)	LECTURE	TEXT (Chapters)	LABORATORY
Jan 11	Introduction Cells & Tissues	1 3, 23	No labs this week
18	Roots Stems	24 25	Organs, Cell Types & Tissues
25	Secondary Growth Leaves	26 25	Roots and Stems
Feb 1	First Land Plants Bryophytes	16 16	Secondary Growth Evolutionary project due
8	MIDTERM I (Feb 12th) First Vascular Plants	17	Leaves & Modified Plant Organs
15	Reading Break		No labs this week
22	Lycophytes & Equisetophytes Ferns	17 17	Evolution, Life Cycles & Bryophytes
Mar 1	Progymnosperms & First Seed Plants Cycads	18 18	Lycopodiophyta & Monilophyta
8	Ginkgo & Conifers Conifers	18 18	Gymnosperms
15	MIDTERM II (Mar 19th) Gnetophytes	18	Anthophytes I (flowers)
22	Angiosperms – Flowers Angiosperms – Gametophytes	19, 20 19, 20	Anthophytes II (fruit & seed) Herbarium project due
29	Angiosperms – Pollination Angiosperms – Seed & Fruit	19 20	SURA presentations Anthophyte project due
Apr 5	Angiosperms – Diversity TBD/SURA proposal due	20	
12	TBD		