

BIOLOGY 325 – TREE BIOLOGY – COURSE OUTLINE - FALL 2018

Lecture TWF – 1:30-2:20 pm CUNN 146

Course Instructors: Dr. Barbara Hawkins

Office Hours: By appointment. Cunn. 151

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Laboratory F – 2:30-5:20 pm CUN118

Dr. Patrick von Aderkas (Course coordinator)

Tues. 2:30-3:30 pm Petch 052a

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Laboratory Teaching Assistant: Rande Kanne

Office hours: Thurs. 10:30-11:30 a.m. Cunn 210 (Herbarium)

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Text: *Conifer Reproductive Biology* by Claire G. Williams – available for free as an ebook from the UVic Library website <http://voyager.library.uvic.ca/vwebv/searchBasic>

DATE	LECTURE	LABORATORY
Sept.	5-W 1. What is a tree? (PvA)	
	7-F 2. tree morphology and anatomy (PvA)	Sept. 7 Tree Identification (outdoors)
	11-T 3. tree morphology and anatomy (PvA)	
	12-W 4. tree morphology and anatomy (PvA)	
	14-F 5. tree morphology and anatomy (PvA)	Sept. 14 Tree Morphology (outdoors)
	18-T 6. tree morphology and anatomy (PvA)	
	19-W 7. tree morphology and anatomy (PvA)	
	21-F 8. <i>Guest lecture – Dr. Cosmin Filipescu</i>	Sept. 21 Wood Anatomy (indoors)
	25-T 9. tree biogeography (BJH)	
	26-W 10. tree biogeography (BJH)	
	28-F 11. leguminous trees (PvA)	Sept. 28 Culturally Important Trees (outdoors)
Oct.	2-T DEADLINES: essay choice & Lab 2 assignment	
	12. tree biogeography (BJH)	
	3-W 13. adaptation and acclimation (BJH)	
	5-F 14. annual cycles (BJH)	Oct. 5 no lab
	8-M THANKSGIVING	
	9-T 15. annual cycles (BJH)	
	10-W MIDTERM (worth 20 % of final mark)	
	12-F 16. soils and nutrients (BJH)	Oct. 12 Fruit Trees & More- B Duncan (outdoors)
	16-T 17. soils and nutrients (BJH)	
	17-W 18. drought (BJH)	
	19-F 19 flooding (BJH)	Oct. 19 Forestry Research
	23-T 20. tree reproductive biology (PvA)	
	24 W 21. tree reproductive biology (PvA)	
	26-F 22. tree reproductive biology (PvA)	Oct. 26 Mycorrhizae (outdoors) – Dr. Marty Kranabetter
	30-T 23. tree reproductive biology (PvA)	
	31-W 24. tree reproductive biology (PvA)	
Nov.	2-F 25. tree-insect interaction – reproduction (PvA)	Nov. 2 Conifer Reproduction

Nov.	6-T	26. tree-insect interaction – defense (BJH)	
	7-W	27. tree-insect interaction – defense (BJH)	
	9-F	28. fire (BJH)	Nov. 9 WFP forest nursery (outdoors) Annette Van Niejenhuis
12-14 READING BREAK			
	16-F	29. How to give a talk (PvA)	Nov. 16 no lab
	20-T	DEADLINE: essay due at start of Tuesday class	
		30. people and trees (BJH)	
	21-W	31. <i>Guest lecture – Dr. Michael Stoehr</i> <i>Forest Genetics</i>	
	23-F	32.	Nov. 23 Student Presentations
	27-T	33. people and trees (BJH)	
	28-W	34. <i>Guest lecture – TBA</i>	
	30-F	35.	Nov. 30 Student Presentations
Dec.	4-T	36 <i>Guest lecture – TBA</i>	
	5_W	37 Review	

Requirements:	Midterm exam	20%
	Essay	20%
	Oral presentation	5%
	Laboratory	20%
	Final exam	35%

Grading system: As outlined on Page 52 of the UVic Undergrad Academic Calendar

<https://web.uvic.ca/calendar2018-09/pdfs/undergraduate-201809.pdf>

NOTE: “Plagiarism Single or multiple instances of inadequate attribution of sources should result in a failing grade for the work. A largely or fully plagiarized piece of work should result in a grade of F for the course.” From UVic Academic Calendar

There will be no supplemental exam. No electronic devices will be permitted during any exam.

Please note – the midterm cannot be deferred. If you miss the midterm but provide a doctor’s note, your final mark will be calculated on the basis of the other completed components of the course, and you will not incur any penalty. We assign a zero for any missed elements. Failure to complete too many important parts of the course (missed lab assignments, missed midterm) will result in being banned from the final.

Important dates (from UVic calendar)

Sept. 18	Tuesday: Last day to drop courses for a 100% reduction of tuition fees for first term courses.
Sept. 21	Friday: Last day for <u>adding</u> this course.
Sept. 30	Sunday: Last day for paying first-term fees without financial penalty.
Oct. 8	Monday: Thanksgiving
Oct. 9	Tuesday: Last day to <u>drop</u> courses for a 50% reduction of tuition fees. 100% of tuition fees will be assessed for this course dropped after this date.
Oct. 31	Wednesday: Last day for <u>dropping</u> this course without penalty of failure.
Nov. 12-14	Monday -Wednesday: Reading Break (all Faculties).
Dec. 5	Wednesday: Last day of class in the first term.
Dec. 8 – Dec. 22	Examination period