

BIOLOGY 325 – TREE BIOLOGY – COURSE OUTLINE - FALL 2016

Lecture TWF – 1:30-2:20 pm ECS 130

Laboratory F – 2:30-5:20 pm CUN118

Course Instructors: Dr. Barbara Hawkins

Dr. Patrick von Aderkas (Course coordinator)

Office Hours: Tues. 2:30-3:30 p.m. Cunn. 151

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

Ph: 250-721-7117 email: bhawkins@uvic.ca

Ph: 250-721-8925 email: pvonader@uvic.ca

Laboratory Teaching Assistant: Rande Kanne

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

Ph: 250-721-7097 email: kanner@uvic.ca

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

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

	8-T	26. tree-insect interaction – defense (BJH)	
	9-11	READING BREAK	Nov. 11 no lab
Nov.	15-T	27. tree-insect interaction – defense (BJH)	
	16-W	28. fire (BJH)	
	18-F	29. How to give a talk (BJH)	Nov. 18 WFP forest nursery (outdoors) Annette Van Niejenhuis
	22-T	DEADLINE: essay due at start of Tuesday class	
		30. people and trees (BJH)	
	23-W	Note Room change - CUNN146	
		31. <i>Guest lecture – Dr. David Brownstein - History of BC Forest Service</i>	
	25-F	32. people and trees (BJH)	Nov. 25 Student Presentations
	29-T	33. <i>Guest lecture – Mr. Rupert Evans - Tree biomechanics</i>	
	30-W	34. <i>Guest lecture – Dr. John Russell - Forest genetics</i>	
Dec.	2-F	35. Review	Dec. 2 Student Presentations

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

Grading system:	Percentages converted to letter grades				
A+ 90-100	A 85-89	A- 80-84	B+ 77-79	B 73-76	B- 70-72
C+ 65-69	C 60-64	D 50-59	F 0-49		

NOTE: Plagiarism will, by itself, be grounds for an F whether or not F is assigned in any of the above categories.

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.

Students must abide by academic regulations as set out in the university calendar. They must observe standards of scholarly integrity with regards to plagiarism and cheating. Please refer to the appropriate web page in the UVic Academic Calendar website <http://web.uvic.ca/calendar2016-09/undergrad/info/regulations/academic-integrity.html>

Important dates (from UVic calendar)

- Sept. 20, Tuesday: Last day to drop courses for a 100% reduction of tuition fees for first term courses.
- Sept. 23, Friday: Last day for adding this course.
- Sept. 30, Friday: Last day for paying first-term fees without financial penalty.
- Oct. 10, Monday: Thanksgiving
- Oct. 11, Tuesday: Last day to drop courses for a 50% reduction of tuition fees. 100% of tuition fees will be assessed for this course dropped after this date.
- Oct. 31, Monday: Last day for dropping this course without penalty of failure.
- Nov. 12-14, Monday -Wednesday: Reading Break (all Faculties).
- Dec. 2, Friday: Last day of class in the first term.
- Dec. 5 (Monday) – Dec. 19 (Monday): Examination period