Course Instructors:

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will emphasize plant mutants in comparison to wild types.

DATE		LECT/		TITLE (tentative)		
Sept	4-W	1. (JE)		Introduction to the model system Arabidopsis		
	6-F	2. (JE)		Background on mutants, genetics, and molecular tools		
	-	1				
	10-T	3. (JE)		Embryogenesis I		
	11-W	4. (JE)		Embryogenesis II		
	13-F	5. (PvA)		Introduction to histology		
	13-	2 ()			
	17-T	6. (JE)		Embryogenesis III		
	18-W	7. (JE)		Embryogenesis IV		
	20-F	8. (JE)		Mutant Genotyping		

	29-T	22. (JE)	Flowering transition II (day-length response)			
	30-W	23. (JE)	Flower development I (SAM to IM to FM transition)			
Nov	1-F	24. (JE)	Flower development II: ABC model			
	1-	()				
	5-T 25. (PvA)		Nectaries			
	6-W 26. (PvA)		From genotype to phenotype			
	8-F 27. (PvA)		Plant-insect coevolution: key innovation in the Brassicales			
	8-F					
	11-13 Rembrance Day (11 Nov) and READING BREAK (11-13 Nov)					
	15-F 28. (PvA)		How to make a sublime presentation for the ages			
	15- ()					
	19-T 29. (PvA)		Evolutionary and ecological genomics			
	20-W 30. (PvA)		In a common garden			
	22-F 1:30-5:20		Student Presentations: Hardcopy of essay due at 1:30 p.m.			
	26-T	31. (PvA)	Proteomics			
	27-W	32. (PvA)	What virtue in a virtual plant?			
	29-F 1:30-5:20		Student Presentations.			
Dec	3-T	34.	Current Research, Ehlting lab			
	4-W	35.	Current Research, von Aderkas lab; evaluations/CES/review			
			Final Exam TBA (essay style - 35 %)			

Required texts:

M Northey and P von Aderkas 2019 Making Sense in the Life Sciences: a Student's Guide to Research and Writing.3rd edition. Oxford University Press, ppbk (\$25-30)

Requirements:	Midterm exar	n	20%			
	Essay		20%			
	Oral presenta	tion	5%			
	Laboratory					
	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			

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

Please note – the midterm cannot be deferred. If you 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 an incomplete (not 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 UVic Academic Calendar.