

Plant Cell Biology 4220/5220

Class Syllabus

Week one	Introduction
	Photosynthesis I
Week two	Photosynthesis II
	Photosynthesis (guest lecture)
Week three	Plant cell I
	Plant cell II
Week four	Confocal microscopy
	Programmed cell death (PCD) I
Week five	Programmed cell death (PCD) II
	PCD in leaf morphogenesis
Week six	Plant tissue culture
	Guest lecture
Week seven	Mid term exam
	Xylem differentiation
Week eight	Aerenchyma formation
	Hypersensitive cell death (virus)
Week nine	Hypersensitive cell death (bacteria)
	Hypersensitive cell death (fungus)
Week ten	Leaf senescence
	Holiday
	Report submission
Week eleven	Shedding of root cap cells
	Deletion of endosperm and suspensor
Week twelve	Heat induced PCD
	UV-induced PCD
Week thirteen	Salt induced PCD
	Anther dehiscence
Week fourteen	Revision
	End term exam