

**Lecture and Readings Schedule**  
**The Fungal Kingdom -- Autumn 2006**

Week	Day	Date	Lecture Topic	Readings <sup>(1)</sup>
1	Mon	25 Sep	Introduction to fungi and fungal diversity	<b>FB</b> Ch 1 & 2 <b>LB</b> Ch 1; <b>FB</b> pp 267-270
	Wed	27 Sep	Introduction to lichens Fungal structure Fungal growth, differentiation, and development	<b>FB</b> Ch 3 <b>FB</b> Ch 4 read only pp 67-80 <b>FB</b> Ch 5 read only pp 85-86 (stop at Control...), 93-103 (through sexual development), 105-109
	Thu	28 Sep	Isolation wkshop & hyphal characteristics of Ascos and Basidios	
<b>Week-long field trip to OR coast. Meet Mon 8:30 AM, return Friday by 5 PM</b>				
2	Tue	3 Oct	Mycorrhizal symbiosis	<b>FB</b> Ch 13 pp 256-267 Mycorrhiza articles 1-3 <sup>(2)</sup>
	Wed	4 Oct	Lichen symbionts	<b>LB</b> Ch 2, 3
3	Mon	9 Oct	Lichen morphology & reproduction	<b>LB</b> Ch 4, 5
	Wed	11 Oct	Fungal nutrition Fungal reproduction and spores	<b>FB</b> Ch 6 <b>FB</b> Ch 2 (pp 27-39); Ch 10 (pp 184-194, 203-208)
4	<i>No lectures planned</i>			
<b>Field trip to Mt Adams. Meet Mon 8:30 AM, return Thursday by 5 PM</b>				
5	Mon	23 Oct	Lichen nutrition	<b>LB</b> Ch 6, 8, <b>FB</b> pp 271-273
	Wed	25 Oct	Nitrogen metabolism in lichens Ecology of mycorrhizal fungi I	<b>LB</b> Ch 7 Mycorrhiza articles 4-5 <sup>(2)</sup> ; additional TBD
6	Mon	30 Oct	<b>All-day field trip to Cedar River watershed</b>	
	Wed	1 Nov	Lichens and air pollution Ecology of mycorrhizal fungi II	<b>LB</b> Ch 13, add'l articles TBD TBD <b>Half of lichen &amp; mushroom collections due at noon</b>
7	Mon	6 Nov	<b>All-day field trip to Scatter Creek/ Mt Elinor</b>	
	Wed	8 Nov	Ecology of saprotrophic fungi Ecology of mycorrhizal fungi III	<b>FB</b> Ch 11 TBD
8	Mon	13 Nov	<b>All-day field trip to Scatter Creek/ Mt Elinor</b>	
	Wed	15 Nov	Cultivation of fungi Fungi as plant pathogens	<b>FB</b> Ch 14; add'l articles TBD
<b>20 Nov- 24 Nov Thanksgiving Break -- No Class</b>				
9	Wed	29 Nov	Fungal phylogenetics I, II	TBD
10			<b>Number and topics of lectures to be determined</b>	TBD, entire culture, lichen & mushroom collections due Wed at 9 AM

<sup>(1)</sup> **FB** = *Fungal Biology* (Deacon), **LB** = *Lichen Biology* (Nash), **MD** = *Mushrooms Demystified* (Arora), **MPNW** = *Macrolichens of the Pacific Northwest* (McCune & Geiser)

<sup>(2)</sup> These articles can be accessed at <http://www.Mykoweb.com/> -- from the Mykoweb homepage, click on Mushroom Articles on the sidebar.

Lab times on Mondays and Thursdays on days when no specific activities are planned are open lab times for identification and isolation of your collected specimens.