

TREE BIOLOGY FOR 240

INSTRUCTOR: Dr. Peter Kolb
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OFFICE: Tuesday/Thursday 11 a.m. - noon
 HOURS: **OR** by appointment

TEXTBOOK: Tree Basics by Dr. Alex Shigo, Handouts

CLASS SCHEDULE		
<u>WEEK</u>	<u>LECTURE TOPIC</u>	<u>READING</u>
1	Course introduction	Pgs 1-5
2	Tree anatomy	Pgs 16-19, 26-27
3	Tree anatomy	Pgs 20-23
4	Tree anatomy	Pgs 24-25, 28-29
5	Carbon balance (photosynthesis & respiration)	Pgs 32-33
6	Environment – solar radiation, temperature	Handout
7	Midterm	
8	Environment – water and humidity	Handout
9	Soils & Nutrients <i>Spring break</i>	Pg 30-31, 34
10	Resource allocation – growth and dormancy	Handout
11	Regeneration biology	Handout
12	Stress physiology	Pgs 6-15
13	Pests and pathogens	Pg 35, Handout
14	Tree culture – pruning, shaping	Pgs 36-40, Handout
15	FINAL, Thursday May 14, 10:10 am – 12:10 pm	

GRADING

Midterm =	100 points
Class assignments	100 points
<u>Final Exam =</u>	<u>100 points</u>
	300 points

A = 270 points (90%)
 B = 240 points (80%)
 C = 210 points (70%)
 D = 180 points (60%)