

**BIOLOGY 111 - BOTANY**  
**Fall Semester 2009<sup>1</sup>**

Text: *Biology of Plants* – Raven (7<sup>th</sup> Ed)

Lab Book: Biology 111 Lab Manual, Cook & McFarland

Lecture 9:05-9:55 MWF – S & E 307

Lab (times vary by section)–Hesler Biology Building (H) 204

Web Site: <http://www.bio.utk.edu/botany110/default.html>

Week	Day	Topic	Text Chapters	Lab Book Unit	Lab quiz & Reports
Aug 19-21	W	Introduction to the class-how science is done	1-2	No labs	No Quiz
	F	Molecular composition of plant cells	2		
Aug 24- 28 <sup>a</sup>	M	Molecular composition and Introduction to the plant cell	3	1 & 2	No Quiz
	W	Introduction to the plant cell Extra Credit 1	3		
	F	Membranes - <b>Quiz 1 Chapters 1,2, 3</b>	4		
Aug 31 - Sept 4	M	Membrane structure and function ppt-done <i>Question for class: Why does H1N1 just infect cells of the respiratory tract</i> Hand out EC2	5	3 & 4	10-pt Quiz
	W	Finish Membranes The flow of energy	5		
	F	<b>EXAM 1 (50 pts) Chapters 1-4</b> <b>Proctor Mackenzie</b>			
Sep 7-11	M	Labor Day – no class		5	No Quiz Lab Experiment Conducted
	W	Finish the flow of energy, Respiration	6		
	F	Respiration	6		
Sep 14-18	M	Photosynthesis & <b>Quiz 2 Chapters 5, 6</b>	7	6	10-pt Quiz Lab Report Due (25pts)
	W	Photosynthesis	7		
	F	Photosynthesis	5-7		
Sep 21-25	M	<b>EXAM 2 (50 pts) Chapters 5-7</b> <b>Proctor Mackenzie</b>		7 & 8	No Quiz
	W	The reproduction of cells (Mitosis)	3		
	F	Meiosis and sexual reproduction	8		
Sept 28 – Oct 2	M	Genetics and Heredity <b>Quiz 3-Chapters 3, 8</b>	8	9	10-pt Quiz
	W	Genetics and Heredity	8		
	F	Genetics and Heredity	8		
Oct 5 - 9	M	DNA replication <b>Quiz 4-Chapter 8</b>	9	10 & 11	10-pt Quiz
	W	Transcription, translation	9		
	F	Plant Molecular Biology			
Oct 12 - 16	M	<b>EXAM 3 (50 pts) Chapters 3, 8, 9</b>	10	12	No Quiz Set up Term Project See Appendix B
	W	Systematics			
	F	<b>Fall Break – Oct. 9, 10</b>	12		
Oct 19, 20 <sup>b</sup> - 23	M	Prokaryotes & Viruses	13	13	10-pt Quiz Plant Sleuth Due 20 pts Term Project-observation
	W	Prokaryotes & Viruses	13		
	F	Fungi	14		
Oct 26 - 30	M	Fungi & <b>Quiz 5-Chapters 12, 13</b>	14	14 & 15	10-pt Quiz Term Project-observation
	W	Lichens	14		
	F	Protista	15		
Nov 2-6	M	Protista <b>Quiz 6 Chapters 14, 15</b>	15	16	10-pt Quiz Term Project-observation
	W	Movie			
	F	Protista	15		
Nov 9. 10 <sup>c</sup> - 13	M	<b>EXAM 4 (50 pts) Chapters 10, 12-15</b>		17 & 18	No Quiz Term Project-observation
	W	Bryophytes	16		
	F	Bryophytes	16		
Nov 16-20	M	Seedless vascular plants	17	19 & 20	10-pt Quiz
	W	Seedless vascular plants	17		
	F	Gymnosperms			
Nov 23 – 27	M	Gymnosperms & <b>Quiz 7 Chapters 16-17</b>	18	20 & 21	10-pt Quiz- Term Project due Wednesday Nov 25, 5PM
	W	Introduction to Angiosperms	18		
	F	<b>Thanksgiving Holiday – Nov. 26, 27</b>	19		
Nov 30 – Dec 1	M	Introduction to Angiosperms	19	No Lab	No Quiz
	T	<b>Tues Dec 1, Last Day of Classes</b>			
Dec 7	M	<b>Final Lecture Exam<sup>2</sup> 8:00-10:00 AM in same classroom as lecture CUMULATIVE—100 points</b> <b>Michelle proctors</b>		<b>Lab Exam 60 points</b> <b>See schedule back of this page.</b>	

<sup>1</sup>Schedule subject to change as needed; <sup>2</sup>Do you have a final exam conflict (three or more exams on the same day)? If so, then see the UTK policy statement at [http://registrar.tennessee.edu/academic\\_calendar/finalexams.shtml](http://registrar.tennessee.edu/academic_calendar/finalexams.shtml)

<sup>a</sup> Aug 28-last day to drop without a W; <sup>b</sup> Oct 20 – last day to withdraw with a “W”; <sup>c</sup> Nov 10 – Last day to drop with “WP” or “WF”

**Lecture Exams + Quizzes = 350 points:** Chapter exams = 200 pts, Final = 100 pts, Quizzes = 50 points (best 5/7)

For questions about attendance, absences, grades and make-ups, review Class Policy on back of page.

**Lab Quizzes + Lab Report + Micro-observatory + Lab Final = 265 points:** Lab quizzes = 80 pts (best 8/9), Term Project = 80 pts Lab Final = 60 pts, Lab Report = 25 pts, Plant Sleuth = 20 pts

**Note 1: Absences for 3 or more labs = F for entire course!!**  
**Note 2: term project will require observations once a week for five weeks outside of your scheduled lab time. See lab book Appendix B.**

**Grade Levels:** A=578-615 points; A- = 553-577; B+=535-552; B=516-534; B-=492-515; C+=473-491; C=455-472; C-=430-454; D+= 412-429; D= 363-428.4; F= 0-362

**Total Points = 615 points**