

Sunday, August 23, 2009

Bio100 Calendar (Palomar College)								
by William Kloetzer, Ph.D.								
Date	Lecture	Lecture Topics (10:15 - 11:35AM)	Textbook	Supplement	Homework	Test	Lab Topics (11:45AM - 2:35PM)	Lab Quiz
25-Aug	L1	Course overview; biology - past and present	Ch 1	-			1. Lab safety; The Scientific Method	
27-Aug	L2	Chemistry	Ch 2	S2			1. Lab safety; The Scientific Method	
1-Sep	L3	Chemistry	-	-			2. Microscopy	
3-Sep	L4	Biochemistry	Ch 3	S4			2. Microscopy	
8-Sep	L5	Biochemistry	-	-	H1-3	Quiz 1 (L1-3)	3. Natural Selection	LQuiz 1
10-Sep	L6	Cell biology	Ch 4	S6			3. Natural Selection	LQuiz 1
15-Sep	L7	Thermodynamics, enzymes and membranes	Ch 5	S7			4. Diffusion, osmosis, dialysis	
17-Sep	L8	Cell metabolism and respiration	Ch 6	S8	H4-6	Quiz 2 (L4-6)	4. Diffusion, osmosis, dialysis	LQuiz 2
22-Sep	L9	Photosynthesis	Ch 7	S9			5. Enzymes	LQuiz 2
24-Sep	L10	Mitosis	Ch 8	S10			5. Enzymes	
29-Sep	L11	Meiosis; Mendelian genetics	Ch 9	-	H7-9	Quiz 3 (L7-9)	6. Photosynthesis, respiration	LQuiz 3
1-Oct	L12	Mendelian genetics	-	S12			6. Photosynthesis, respiration	LQuiz 3
6-Oct	L13	Gene replication, transcription and translation	Ch 10	S13			7. Mitosis	
8-Oct	-	-	-	-		Exam 1 (L1-9)	7. Mitosis	
13-Oct	L14	Regulation of gene expression; signal transduction	Ch 11	-			8. Meiosis	
15-Oct	L15	Cell signaling, disease and biotechnology; Term Paper topics due	Ch 12	S15	H10-13	Quiz 4 (L10-13)	8. Meiosis	LQuiz 4
20-Oct	L16	Tissues, stem cells and blood	-	-			9. Genetics	LQuiz 4
22-Oct	L17	Immunity, viruses and virus-like particles	-	S17			9. Genetics	
27-Oct	L18	Evolution and ecology	Ch 13, 34	S18			10. Biotechnology	
29-Oct	L19	Prokaryotes and protists	Ch 16	S19	H14-17	Quiz 5 (L14-17)	10. Biotechnology	LQuiz 5
3-Nov	L20	Primitive invertebrates and coral reefs	Ch 18	S20			11. Bacteriology	LQuiz 5
5-Nov	L21	Worms and mollusks; Term Paper outline due	-	S21			11. Bacteriology	
10-Nov	L22	Mollusks and arthropods	-	S22			12. Protists and fungi	
12-Nov	L23	Arthropods	Ch 19	-	H18-21	Quiz 6 (L18-21)	12. Protists and fungi	LQuiz 6
17-Nov	L24	Pre- and primitive chordates; fish	-	S24			13. Plants 1/2	LQuiz 6
19-Nov	L25	Amphibians, reptiles and birds	-	S25			13. Plants 1/2	
24-Nov	-	-	-	-		Exam 2 (L10-21)	-	
1-Dec	L26	Mammals and mammalian organ systems	-	-			-	
3-Dec	L27	Fungi, mosses and ferns	Ch 17	S27	H22-26	Quiz 7 (L22-26)	14. Plants 2/2	LQuiz 7
8-Dec	L28	Seed-bearing vascular plants; Term Paper due	-	-			14. Plants 2/2	LQuiz 7
10-Dec	L29	Seed-bearing vascular plants; ecology	Ch 37	-			15. Animals	
-	L30	Population dynamics and conservation biology	Ch 38	S30	H27-30	-	15. Animals	
17-Dec	-	Cumulative (L01-30) final exam: 9:45 - 11:35AM	-	-		Final Exam		