

**Schedule of Lectures and Labs**  
**Cypress College - Biology 101: General Biology – Spring 2014**  
**Mark L. Mayo**

Section 22419 Lecture T/R 4:15-6:20 (126) + Lab Tues 6:30-9:40 pm (311)  
 Section 23020 Lecture T/R 4:15-6:20 (126) + Lab Thurs 6:30-9:40 pm (311)

**Web: [www.landofmayo.com/cypress.html](http://www.landofmayo.com/cypress.html)**

**Email: [mlmayo2@verizon.net](mailto:mlmayo2@verizon.net)**  
 (lower case MLMAYO)

Week	Date	Lecture Topic	Lecture Reading	Lab Topic	Lab Reading
1	1/28	Welcome and rules - Study of Life (27), Microscopes (6) <i>(Hmwk)</i>	1	Life in a Small Pond	1
	1/30	Chemistry of Life (25)	2-3	Life in a Small Pond	1
2	2/4	Cell Biology (1-32)	4	Molecules of Life* (models/carbohydrates)	11a
	2/6	Cell Biology (continued 33-69)	4	Molecules of Life* (models/carbohydrates)	11a
3	2/11	Cell Membranes (32)	4-5	Molecules of Life* (lipids/proteins/DNA)	11b
	2/13	Enzymes (17)	Pp 36+83-85	Molecules of Life* (lipids/proteins/DNA)	11b
4	2/18	Cell Energy (33) <i>(exam #2 material)</i>	6-7	DNA Technology* (long lab)	15
	2/20	<b>Lecture Exam 1 (150 pts)</b>		DNA Technology* (long lab)	15
5	2/25	Cell Cycle (1-24)	8	Physical Properties of Cells*	12
	2/27	Cell Cycle (25-49)	8	Physical Properties of Cells*	12
6	3/4	Classical Genetics (31) + <i>(Hmwk)</i> How to Solve a Punnett Square (9)	9	Enzymes*	13
	3/6	Human Genetics (50)	9	Enzymes*	13
7	3/11	How to solve a blood Punnett Square (8) Central Dogma of Molecular Bio. (1-39)	10	Photosynthesis*	14
	3/13	Central Dogma of Molecular Bio. (40-46) <i>(Hmwk)</i>	10 (skim 11+12)	Photosynthesis*	14
8	3/18	History of DNA (17) <i>(Hmwk)</i>	10 (skim 11+12)	Mitosis & Meiosis*	9
	3/20	Wild Ride to Evolution (1-25) (Exam #3 material)	13	Mitosis & Meiosis*	9
9	3/25	<b>Lecture Exam 2 (150 pts)</b>		Mendelian Genetics* (start lab at home)	10
	3/27	Wild Ride to Evolution (24-49)	13	Mendelian Genetics* (start lab at home)	10
10	4/1	Microevolution (1-54) <i>(Hmwk)</i>	13	Evolutionary Processes*	2
	4/3	Taxonomy 1-45 (few topics on exam)	Skim 16-19	Evolutionary Processes*	2
11	4/8	Taxonomy 46-85 (few topics on exam) <i>(Select/give out geological epoch oral topics)</i>	Skim 16-19	Survey of Kingdoms* minus Animalia	7
	4/10	Macroevolution (19) + Geological Epochs Oral Reports	15 + Pangea Reading	Survey of Kingdoms* minus Animalia	7
12	4/15	Spring Recess			
	4/17	Spring Recess			
13	4/22	Speciation (25)	13+14	Floral and Fruit Ecology*	4
	4/24	Population Biology (24) <i>(Hmwk)</i>	36	Floral and Fruit Ecology*	4
14	4/29	Human Population Biology (19)	36	Survey of Kingdom Animalia*	8
	5/1	<b>Lecture Exam 3 (150 pts)</b>		Survey of Kingdom Animalia*	8
15	5/6	Ecology + Succession (34)	37	Biogeography*	3
	5/8	Ecosystems Biogeochemical Cycles (35)	37	Biogeography*	3
16	5/13	Quiz 6 & then Review for lab final exam <i>(Bring all your graded quizzes to class!!!)</i>		Quiz - Niche Partitioning (both T & R) Biology of Climate Change	6 + 5
	5/15	<b>Lab Final Exam (100 pts)</b>			
17	5/20	<b>Lecture Final Exam (150 pts)</b>			

\* Indicates a quiz on the previous week's laboratory material  
*(Hmwk)* = homework assignment given

**Note: Students must plan to visit the Bolsa Chica Wetlands independently before 5/13 quiz**  
**See lab 6 Niche Partitioning for map to the wetlands and what to do when you get there**

*The above schedule is a plan and lectures are subject to change without notice!*