

## BIOLOGY 1A: COURSE SYLLABUS

Fall 2014

**Faculty:** Dr. Pauly and Dr. Fischer are from the Department of Plant and Microbial Biology. Dr. Welch is from the Department of Molecular Cell Biology. The faculty will hold office hours (while they are lecturing) as follows:

### Held in 2084 VLSB

### BY APPOINTMENT

Markus Pauly	MW 9-10, 56 Hildebrand Th 2-3 (2066 VLSB)	2-1722, Calvin Lab, <a href="mailto:mpauly69@berkeley.edu">mpauly69@berkeley.edu</a> <a href="http://pmb.berkeley.edu/profile/mpauly#a2">http://pmb.berkeley.edu/profile/mpauly#a2</a>
Robert Fischer	MW 9-10, 56 Hildebrand Th 2-3 (2066 VLSB)	2-1314, 231A Koshland, <a href="mailto:rfischer@berkeley.edu">rfischer@berkeley.edu</a> . <a href="http://epmb.berkeley.edu:8080/facPage/disFP.php?I=8">http://epmb.berkeley.edu:8080/facPage/disFP.php?I=8</a> .
Matthew Welch	MW 9-10, 56 Hildebrand Th 2-3 (2066 VLSB)	3-9019, 305 LSA, <a href="mailto:welch@berkeley.edu">welch@berkeley.edu</a> <a href="http://mcb.berkeley.edu/index.php?option=com_mcbfaculty&amp;name=welchm">http://mcb.berkeley.edu/index.php?option=com_mcbfaculty&amp;name=welchm</a>

Date	Lec #	Topic	Lecture Reading	Bio 1A Lab
Oct. 31*	27	Cell communication	Ch 9 pp 168-172, 175-183	
		* grading deadline (P/NP). See an adviser.		
Nov. 3		<b>MIDTERM 2: Lectures 14-26.</b>		Invertebrates
Nov. 5	28	Cellular mechanisms of development	Ch 19 pp 372-375, 378-382	
Nov. 7	29	Development and evolution	Ch 19 pp 388-393 Ch 25 pp 501-505	
Nov. 10	30	Animal development	Ch 53 pp 1105-1110, 1112-1115, 1118-1119, 1122-1124	No lab lecture. No lab.
Nov. 12	31	The animal body, principles and regulation	Ch 42 pp 862-875	
Nov. 14	32	Homeostasis	Ch 42 pp 875-883	
Nov. 17	33	The nervous system	Ch 43	Reproduction & development.
Nov. 19	34	The sensory and muscular systems	Chs 44 & 45	
Nov. 21	35			
Nov. 24	36			No lab.
Nov. 26	37			
Nov. 28		<b>HOLIDAY</b>		
Dec. 1	38			Q & A review:
Dec. 3	39			
Dec. 4		<b>Thursday Lab exam 2: 8:30- 10:10 PM.</b>	See handout.	
Dec. 5	40			
Dec. 15		<b>FINAL EXAM 7-10 PM</b>	Exam Handout	

