

BIOL 4554/5524: DEVELOPMENTAL BIOLOGY - SPRING 2009

SCHEDULE

Class No.	Date	Topic	Reading
1	Tu Jan 13	Syllabus and Introduction	
2	Th Jan 15	"Simple" systems & tough questions	Ch.2 & 3
3	Tu Jan 20	Setting the stage: Oogenesis & the Germ Line	Ch. 19
4	Th Jan 22	Differential Gene Expression	Ch. 4
5	Tu Jan 27	School closed/Ice storm	
6	Th Jan 29	School closed/Ice storm	
7	Tu Feb 03	Triggering development: Fertilization	Ch. 7
8	Th Feb 05	Triggering development: Fertilization	Ch. 7
9	Tu Feb 10	Early embryonic development (sea urchin)	Ch. 8
10	Th Feb 12	Early embryonic development (sea urchin)/Review for Exam I	
11	Tu Feb 17	Exam I	
12	Th Feb 19	Developmental Cell Death	
13	Tu Feb 24	Early embryonic development (fruit fly)	Ch. 8
14	Th Feb 26	Genetics & mechanisms of axis specification I	Ch. 9
15	Tu March 03	Genetics & mechanisms of axis specification II	Ch. 9
16	Th March 05	no class (scientific meeting)	
17	Tu March 10	Early amphibian development and fate maps	Ch. 1, 2 & 10
18	Th March 12	Spemann, Mangold and the organizer	Ch. 6 & 10
		SPRING BREAK	
19	Tu March 24	Tools and Techniques	Ch. 4
20	Th March 26	Early bird development	Ch. 11
21	Tu March 31	Early mammalian development I/Review for Exam II	Ch. 11
22	Th April 02	Exam II	
23	Tu April 07	Graduate Student Presentation	
24	Th April 09	Early mammalian development II	Ch. 11
25	Tu April 14	Eye development	Ch. 6 & 12
26	Th April 16	Graduate Student Presentation	
27	Tu April 21	Limb development	Ch. 16
28	Th April 23	Stem cells	Ch. 21
29	Tu April 28	Sex determination (mammals)	Ch. 17
30	Th April 30	Review for Final Exam	
31	Tuesday, May 05	Final Exam, 3:00 to 5:00 PM	