

Spring 2006

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#### Developmental Concepts & Systems Syllabus

##### Lectures

1. Introduction (Ch 1)
2. Xenopus normal development (Ch 7)
3. Xenopus dorsoventral (Ch 7)
4. Xenopus mesoderm induction (Ch 7)
5. Xenopus neural induction (Ch 7)
6. Xenopus anteroposterior (Ch 7)
7. Zebrafish and genetic screens (Ch 8)
8. Drosophila normal development (Ch 11)
9. Drosophila maternal AP (Ch 11)
10. Drosophila gap and pair rule (Ch 11)
11. Drosophila segmentation (Ch 11)
12. Drosophila Hox (Ch 11)
13. C.elegans introduction (Ch 12)
14. Chick (Ch 9)
15. Mouse normal development and ES cells (Ch 10)
16. Mouse genetic technology (Ch 10)
17. Limb descriptive (Ch 19)
18. Limb pattern formation (Ch 19)

#### Advanced Developmental Genetics Syllabus

##### Lectures

1. C.elegans 1 – intro and PAR (Ch 12)
2. C.elegans 2 – continue determinants and cell death (Ch 12)
3. Drosophila imaginal discs 1 (Ch 17)
4. Drosophila imaginal discs 2 (Ch 17)
5. Drosophila imaginal discs 3 (Ch 17)
6. Drosophila imaginal discs 4 (Ch 17)
7. Vertebrate limb regeneration 1 (Ch 19)
8. Vertebrate limb regeneration 2 (Ch 19)
9. Vertebrate limb regeneration 3 (Ch 19)