

Ankara Üniversitesi
Kütüphane ve Dokümantasyon Daire Başkanlığı
Açık Ders Malzemeleri

Schedule
Weekly Topics (Content)

Week	Topics
1. week	Animal development; indirect and direct development
2. week	Cleavage, morula, blastula, gastrula, early and late embryonic development, placenta
3. week	Differential gene expression; determination, transdetermination, totipotency
4. week	The role of cytoplasmic segregation and induction
5. week	Development potential, cloning a mammal, the role of pattern formation in organ development
6. week	Apoptosis, organ identity genes, morphogens and positional information
7. week	Maternal genes
8. week	Segmentation genes, double rule genes, gap genes, segment polarity genes
9. week	Homeotic (homeobox-containing) genes, homeotic mutations
10. week	Transcriptional regulation of gene expression; exons and introns
11. week	Promoter structure and function
12. week	Enhancer structure and function
13. week	Transcription factors (homeodomain and POU protein families)
14. week	Transcription factors (helix-loop-helix, zinc finger, leucine zipper motifs)