

# BICD 130 — Embryos, Genes, and Development

Winter 2013

Posakony

**Lectures:** Tuesday/Thursday, 2:00-3:20 p.m., LEDDN AUD

**Required Text:** Scott F. Gilbert, *Developmental Biology*, Ninth Edition (2010)

<u>Lecture #</u>	<u>Day/Date</u>	<u>Topic</u>	<u>Book Chapter(s)</u>
1	Tu Jan 8	Introduction/Fertilization	4
2	Th 10	Fertilization/Cleavage	4, 5
3	Tu 15	Cleavage	5, 6, 7, 8
4	Th 17	Gastrulation I	5, 6
5	Tu 22	Gastrulation II	7, 8
6	Th 24	Development of vertebrate embryos I	9, 10
7	Tu 29	Development of vertebrate embryos II	9, 10
8	Th 31	Development of vertebrate embryos III	11, 12
9	Tu Feb 5 Th 7	Cell adhesion, cell migration, and morphogenesis MIDTERM EXAM (Lectures 1-8)	3
10	Tu 12	Differential gene activity I	2
11	Th 14	Differential gene activity II	2
12	Tu 19	Cell-cell communication	3
13	Th 21	Axis specification and pattern formation I	5, 6
14	Tu 26	Axis specification and pattern formation II	7, 8
15	Th 28	Limb development	13
16	Tu Mar 5	Sex determination and dosage compensation	14
17	Th 7	The germ line	16
18	Tu 12	Medicine and development	17
19	Th 14	Evolution and development	19