

BIO 514 Syllabus
Fall 2010

<i>Date</i>	<i>Lecturer</i>	<i>Lecture*</i>	<i>Reading**</i>
Aug. 24	BG	1. DEVELOPMENT AND THE BIRTH OF EVODEVO	W-Ch. 1,4
Aug. 26		Student-led Discussion #1	
Aug. 31	DP	2. BASIC PRINCIPLES OF EVOLUTIONARY DEVELOPMENTAL BIOLOGY	G&E-Ch. 1,8
Sept. 2		Student-led Discussion #2	
Sept. 7	BG	3. COMPARATIVE DEVELOPMENTAL BIOLOGY	W-Ch. 3
Sept. 9		Student-led Discussion #3	
Sept. 14	BG	4. CONSERVATION OF DEVELOPMENTAL PATHWAYS	W-Ch. 5
Sept. 16		Student-led Discussion #4	
Sept. 21	BG	5. EVOLUTION OF ARTHROPOD SEGMENTATION PATHWAYS	W-Ch. 7
Sept. 23		Student-led Discussion #5	
Sept. 28	BG	6. EVOLUTION OF PATHWAYS FOR FORMING ORGANS	W-Ch. 8
Sept. 30		Student-led Discussion #6	
Oct. 5	BG	7. EVOLUTION OF SEX DETERMINATION	W-Ch. 6
Oct. 7		Student-led Discussion #7	
Oct. 12		NO CLASS – UNIVERSITY DAY	
Oct. 14		Exam 1	
Oct. 19	BG	FILM: GREAT TRANSFORMATIONS	
Oct. 21		NO CLASS – FALL BREAK	

*lecture outlines or Powerpoint presentations are on the Blackboard site

***"W-Ch." refers to the chapters in the Wilkins text; ***"G&E-Ch." refers to the chapters in the Gilbert and Epel text; "Blackboard" refers to readings available on the Blackboard site

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(continued)

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Oct. 26	DP	8. LEVELS OF SELECTION IN DEVELOPING SYSTEMS	Blackboard
Oct. 28		Student-led Discussion #8	
Nov. 2	DP	9. MAJOR TRANSITIONS IN EVOLUTION	Blackboard
Nov. 4		Student-led Discussion #9	
Nov. 9	DP	10. INNOVATION AND CONSERVATION, I	Blackboard
Nov. 11		Student-led Discussion #10	
Nov. 16	DP	11. INNOVATION AND CONSERVATION, II	G&E-Ch. 9
Nov. 18		Student-led Discussion #11	
Nov. 23	DP	12. EPIGENETICS	G&E-Ch. 2,7
Nov. 25		NO CLASS – THANKSGIVING BREAK	
Nov. 30	DP	13. THE FLEXIBLE ORGANISM	G&E-Ch. 10
Dec. 2		Student-led Discussion #12	
Dec. 7	DP	FILM: GHOST IN YOUR GENES	
Dec. 16 12 PM		Exam 2 (covering material from Pfennig's lectures and discussions only)	

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