

BIOL 1108 (Stanger-Hall) Spring 2007 TIME SCHEDULE (subject to modification)

*PREVIEW BEFORE class, then READ IN DETAIL RIGHT AFTER class (Campbell 7th ed.)

		LECTURE TOPIC	REQUIRED READING *	
Jan	8	Introduction, Levels of Learning, Homeostasis	Handout	
	10	Membranes and Size: Evolution of large organisms Note: 1/11 Last day of add/drop	95, 98-99, (review Ch 7: membranes)	
	12	Brief History of Life on Earth	516-533	
	15	Martin Luther King Day		
	17	Evolution of Prokaryotes and Eukaryotes	521-551	
	19	Phylogenetics: Discovering the tree of life	491-504 (review phylogenetic methods)	
	22	Protists & Fungi	Ch. 28 & Ch. 31 (overview + examples)	
	24	Plants: Evolution from water to land, plant tissues and organs	573-579, 584-585, 608-625, 712-718	
	26	Plant transport: water and minerals	738-755	
	29	Plant transport: sugars	738-755	
	31	EXAM 1 (no make-up): includes class material 1/8-1/29		
Feb	02	<i>No class: Dr. Stanger-Hall out of town</i>		
	05	Sexual life cycles and meiosis	238-250 (review meiosis) & 549-572	
	07	Plant Life Cycle & Flowering Plant Reproduction	591-593, 598-607, 771-779	
	09	The roles of hormones (chemical signals) in plant life	779-780, 788-802, 810-813	
	12	Evolution of animals: key characteristics	626-630, 638-655, 671-701, 853-855	
	14	Evolution of vertebrates: from water to land	678-693; 698-706	
	16	Temperature regulation: Ectotherms and Endotherms	834-838	
	19	Homeostatic regulation; negative feedback circuits	831-833, 838-843	
	21	How to communicate & coordinate (I): Electric Signals Organization of the vertebrate nervous system	1011-14, 1026-28, 1033	
		23	EXAM 2 (no make-up): includes class material 2/5-2/21	
	26	Resting potential & Action potential generation	1011-1018	
	28	Action potential propagation & Synaptic transmission Note: 3/1 Midpoint withdrawal deadline	1020-1025	
Mar	02	Post-synaptic processes	1022-1025, 1039-1043	
	05	Skeletal muscle structure & function	1064-1077	
	07	Skeletal muscle strength and exercise	1064-1077	
	09	How to supply all tissues with nutrients and oxygen: Transport and circulation	867-872	
	12-16	SPRING BREAK		
	19	The human heart: cardiac muscle and blood flow	826, 872-878	
	21	Control and regulation of blood flow	882-883	
	23	EXAM 3 (no make-up): includes class material 2/26-3/21		
	26	Gas exchange in fish gills, bird lungs & mammal lungs	884-890	
	28	Regulation of gas exchange	890-897	
	30	Salt & water balance, waste disposal, vertebrate kidney	922-929	
Apr	02	Mammalian kidney function	931-936	
	04	Regulation of kidney function	936-942	
	06	How to communicate & coordinate (II): Chemical Signals Animal hormones: Blood calcium and blood sugar regulation	943-963	
	09	Blood calcium & Blood sugar regulation	954-956	
	11	Hypothalamus as master gland	948-963	
		13	Exam 4 (no make-up): includes class material 3/26-4/11	
		16	Regulation of male reproduction	964-986
		18	Regulation of female reproduction	964-986
	20	Introduction to Ecology, Behavioral Ecology	1080-1082, 1106-1135	
	23	Population Ecology	1136-1158	
	25	Community Ecology	1159-1170	
	27	Ecosystems	1080-1105, 1184-1198	
	30	Challenges and Solutions	1200-1229; Diamond on WebCT	
May	02	8-11am FINAL EXAM (cumulative, about 40% since last exam; no make-up)		

