

Please read the assigned lab exercises* and text chapters† **before** coming to class.

	MONDAY LECTURE	TUESDAY LAB	WEDNESDAY LECTURE	THURSDAY LAB	FRIDAY LECTURE
JAN	MARTIN LUTHER KING, JR. HOLIDAY	19 L1: Microscope etc. L2: Cell Form <i>210 Web Page</i>	20 Intros, Photoperiod, Methodology & <i>IM</i>	21 L4: Mammalian Histology	22 C1-2: Cells, <i>The Case of 007</i> & Matters of scale
JAN	25 C3: Out of one many: Mitosis & Meiosis	26 L2: Division ways & ends www.wormclassroom.org	27 C3: Mendel's Laws	28 L3a Meiosis & VGL (Virtual Genetics Lab)	29 C3: DNA->RNA-> Protein, the Dogma
FEB	1 C3: Controlling DNA	2 Gene Explorer & VGL	3 (C33 online): Ontogenetic Patterns of Devel't.	4 Oral defenses of VGL Excel Exploration	5 C4: Evolution & Theory of Natural Selection
FEB	8 C5: Gene Frequencies & Hardy-Weinberg	9 Exam 1: C1-3 L3bc: Embryology	10 C5: Evolving with Mean Genes	11 To change allele frequencies is to Evolve	12 CHARLES DARWIN'S BIRTHDAY HOLIDAY
FEB	15 PRESIDENT'S DAY HOLIDAY	16 L25c: Cool behavior & L23a: Beetle Sex	17 EvolSeq & Intro to Globin	18 Globin, cytochrome B, etc. as tree builders	19 C7: Classifications, Phylogeny & Org.
FEB	22 C8: Animal-like Protists: Protozoa	23 L5: Cladograms & a dichotomous key	24 C9: Multicellular Level: Porifera	25 Exam 2: C4, 5, 7 L7: Porifera	26 C9: Tissue Level: Cnidaria
MAR	1 C10: Triploblastic, Acoelomate Plan	2 L8: Cnidaria	3 C10: Triploblastic, Acoelomate Plan	4 L9: Flat out ugly Platyhelminthes	5 C13: Round Worms Pseudocoeomates
MAR	8 C13: Round Worms Pseudocoeomates	9 L10: Rotifera & Nematoda	10 FACULTY FLEX DAY NO CLASSES	11 FACULTY FLEX DAY NO CLASSES	12 FACULTY FLEX DAY NO CLASSES
MAR	15 C11: Molluscan Success	16 L11: Mollusca	17 C12: Annelida: Metameric Plan	18 Exam 3: C7-11 L12: Annelida	19 C12: Annelida: Metameric Plan

*Lab exercise (L) references are to Hickman, Hickman and Kats' Laboratory Studies in Integrated Principles of Zoology , 13th Ed

†Chapter (C) references are to Miller and Harley's Zoology, 8th Ed.

<http://www.smccd.edu/accounts/bucher/>

Please read the assigned lab exercises* and text chapters† **before** coming to class.

	MONDAY LECTURE	TUESDAY LAB	WEDNESDAY LECTURE	THURSDAY LAB	FRIDAY LECTURE
MAR	22 C14: Arthropoda: "Chitin über alles!"	L14: Crustacea	24 C15: Hexapods & Myriapods Rule!	25 L1: Order amongst the hexapods	26 C16: Echinoderm stars & \$\$\$
MAR - APR	29 C16: Echinoderm ☆☆☆ & \$\$\$	30 L16: Echinodermata	31 C17: 1st Chordates & Fish	1 L17 & L18 Lancelets & Fishes	2 ⓘ Exam 4: C12-16
APR	5 SPRING BREAK	6 SPRING BREAK	7 SPRING BREAK	8 SPRING BREAK	9 SPRING BREAK
APR	12 C19: Amphibians	13 L19: Amphibia	14 C20: Nonavian Reptiles	15 Vert. Comp. Anat. (download) & L20: Frog <i>Practicum</i>	16 C21: Avian Reptiles
APR	19 C21: Avian Reptiles	20 Bird & mammals skins	21 C22: Mammals: all for Endothermy	22 Diving Reflex cause and effect	23 C22: Mammals: all for Endothermy
APR	26 C23: Muscle A & P	27 Meet <i>Sus scrofa</i>	28 C24: Neurons & receptors make sense	29 L22cdeg: More <i>Sus</i> LD	30 C24: Neurons & receptors make sense
MAY	3 C25: Hormones & humors	4 ⓘ Exam 5: C17-22 L22cdeg: More <i>Sus</i>	5 C26: Gas Exchange	6 L22cdeg: More <i>Sus</i> (see note field trip below)	7 C26: CardioVasc Form
MAY	10 C26: CardioVascular Function	11 L22cdeg: More <i>Sus</i>	12 C28: Water balance	13 L22cdeg: More <i>Sus</i>	14 C28: Water balance
MAY	17 C28: Heat balance	18 L22cdeg: More <i>Sus</i>	19 C29: Reproduction	20 Vendetta maiala	21 C29: Reproduction
	24 Final Exam (note time) 8:10 am – 10:40 am		Weekend Field Trip:	15 Tide Pool Field Trip -1.3 ft. @ 6:18	16 Tide Pool Field Trip -1.4 ft. @ 7:02

*Lab exercise (L) references are to Hickman, Hickman and Kats' Laboratory Studies in Integrated Principles of Zoology, 13th Ed

†Chapter (C) references are to Miller and Harley's Zoology, 8th Ed.

<http://www.smccd.edu/accounts/bucher/>

April 29th is the last day to withdraw from a semester-long course without possible penalty.