



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

	TUESDAY LECTURE	TUESDAY LAB	THURSDAY LECTURE	THURSDAY LAB
JAN	22 Intros, Photoperiod, Methodology & <i>IM</i>	L1: Microscope etc. L2: Cell Form <i>210 Web Page</i>	24 C1-2: Cells, <i>The Case of 007</i> & Matters of scale	L4: Mammalian Histology
JAN	29 C3: Out of one many: Mitosis & Meiosis	L2: Division ways & ends www.wormclassroom.org	31 C3: Mendel's Laws	L3a Meiosis & VGL (Virtual Genetics Lab)
FEB	5 C3: DNA->RNA-> Protein, the Dogma	Gene Explorer & VGL	7 C3: Controlling DNA	Oral defenses of VGL Excel Exploration
FEB	12 (C33 online): Ontogenetic Patterns of Devel't.	ⓘ Exam 1: C1-3 L3bc: Embryology	14 C4: Evolution & Theory of Natural Selection	To change allele frequencies is to Evolve
FEB	19 C5: Gene Frequencies & Hardy-Weinberg	EvolSeq & Intro to Globin	21 Evolving with Mean Genes	Globin, cytochrome B, etc. as tree builders
FEB	26 C7: Classifications, Phylogeny & Org.	L25c: Cool behavior & L23a: Beetle Sex	28 C8: Animal-like Protists: Protozoa	L5: Cladograms & a dichotomous key
MAR	4 C9: Multicellular Level: Porifera	ⓘ Exam 2: C4, 5, 7 L7: Porifera	6 C9: Tissue Level: Cnidaria	L8: Cnidaria
MAR	11 C10: Triploblastic, Acoelomate Plan	L9: Flat out ugly Platyhelminthes	13 C11: Round Worms Pseudocoelomates	L10: Rotifera & Nematoda
MAR	18 SPRING BREAK	SPRING BREAK	20 SPRING BREAK	SPRING BREAK

*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, 7th Ed.

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	TUESDAY LECTURE	TUESDAY LAB	THURSDAY LECTURE	THURSDAY LAB
MAR	25 C12: Molluscan Success	L11: Mollusca	27 C13: Annelida: Metameric Plan	ⓘ Exam 3: C7-11 L12: Annelida
APR	1 C15: Arthropoda: "Chitin über alles!"	L14: Crustacea	3 C15: Hexapods & Myriapods Rule! 0.7 @ 1642	L1: Order amongst the hexapods
APR	8 C16: Echinoderm stars & \$\$\$	L16: Echinodermata	10 C17: 1st Chordates & Fish	L17 & L19 Lancelets & Fishes
APR	15 C19: Amphibians	ⓘ Exam 4: C12-16 L19: Amphibia	17 C20: Reptilia + Aves	Vert. Comp. Anat. (download) & L20: Frog <i>Practicum</i>
APR	22 C21: Avian Reptiles	Bird & mammals skins	24 C22: Mammals: all for Endothermy	Diving Reflex cause and effect
APR	29 C23: Muscle A & P	Meet <i>Sus scrofa</i>	1 C24: Neurons & receptors make sense	L22cdeg: More <i>Sus</i>
MAY	6 C25: Hormones & humors	ⓘ Exam 5: C17-22 L22cdeg: More <i>Sus</i>	8 C26: Gas Exchange	Tide Pool Field Trip -1.71 ft. @ 7:40
MAY	13 C26: CV Form & Function	L22cdeg: More <i>Sus</i>	15 C28: Water balance	L22cdeg: More <i>Sus</i>
MAY	20 C28: Heat balance	L22cdeg: More <i>Sus</i>	22 C29: Reproduction	Vendetta maiala
MAY	27 Final Exam ☐ 8:10– 10:40 AM		CAS/S.F. ZOO FREE DAY 1 ST WEDNESDAY OF MONTH	

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May 1st is the last day to withdraw from a semester-long course without possible penalty.