

General biology syllabus. Classes employing research deconstruction are marked by "RDV".

Course Outline:

<u>Dates</u>	<u>Lecture</u>	<u>Lab</u>	<u>Assignment (Due Date)</u>
08/29 Week	T: Introduction to the Course & Ch 1 – Scientific Inquiry Th: Ch 2 – Chemistry in Biology	Lab 1: Lab Safety and Snail Race Lab	Introduction Materials & Weekly Quiz 1 (09/04)
09/05 Week	T: Ch 3 – Macromolecules Th: Ch 4/5 – Inside the Cell & Introduction to RDV	Lab 2: pH and Water Lab	Weekly Quiz 2 & RDV: Seminar (09/11)
09/12 Week	T: Ch 4/5 continued Th: Ch 6 – Energy and Enzymes	Lab 3: Microscopic Life Lab	Weekly Quiz 3 (09/18)
09/19 Week	T: Ch 7 – Cellular Respiration Th: Ch 8 – Photosynthesis	Lab 4: Enzymes Lab	Review Session 09/23 Weekly Quiz 4 (09/25)
09/26 Week	T: EXAM 1 (covers 08/29 – 09/25) Th: Ch 10 – Mitosis	Lab 5: Respiration and Photosynthesis Lab	Journal Paper Assigned & Weekly Quiz 5 (10/02)
10/03 Week	T: Ch 11 – Meiosis Th: Ch 43 – Reproduction	LAB QUIZ 1 (covers Lab 1 - 5) Lab 6: Human Reproduction Lab	Weekly Quiz 6 (10/09)
10/10 Week	T: Ch 43 – Animal Development Th: Ch 12 – Mendelian Genetics	Lab 7: Human Genetics Lab	Weekly Quiz 7 (10/16)
10/17 Week	T: Ch 13 – Human Genetics Th: Ch 14 – DNA	Lab 8: DNA Lab	Weekly Quiz 8 & RDV: NA Extraction (10/23)
10/24 Week	T: Ch 15 & 16 – Gene Expression Th: Review Session	Lab 9: Natural Selection Lab	Journal Paper 1 & Weekly Quiz 9 (10/30)
10/31 Week	T: EXAM 2 (covers 10/03 – 10/30) Th: Ch 18 to 20 – Evolution of Populations and Species	Lab 10: Animal Diversity Lab	Weekly Quiz 10 (11/06)
11/07 Week	T: Ch 18 to 20 continued Th: Ch 29 & 38.2 - Vertebrates	LAB QUIZ 2 (covers Lab 6 - 10) Lab 11: Heart Lab	Weekly Quiz 11 & RDV: Speciation (11/13)
11/14 Week	T: Ch 28 & 35 – Invertebrates Th: Ch 24 to 26 – Plants	Lab 12: Bones Lab	Weekly Quiz 12 & RDV: Evolution (11/20)
11/21 Week	T: Ch 22 to 23 – Fungi, Microbes, and Protists Th: NO CLASS	Lab 13: Flowers Lab (as homework); will discuss procedure in the previous lab	Journal Paper Assigned & Weekly Quiz 13 (11/27)
11/28 Week	T: Ch 42 –The Immune System Th: EXAM 3 (covers 10/31 – 11/20); does NOT include Ch 42)	Lab 14: Seed Dispersal Lab	Review Session 11/28 Weekly Quiz 14 (12/04)
12/05 Week	T: Ch 44 & 45 – Communities and Ecosystems Th: Ch 45 & 47 – Conservational Biology	Field Trip and/or Q&A; more information to come closer to the end of the semester	Weekly Quiz 15 & RDV: Biodiversity (12/11)
12/12 Week	T: Review Session (Optional) Th: FINAL EXAM 8AM – 12PM; covers ALL lectures		Journal Paper 2 (12/16)