

BIOLOGY 110: FALL 2008
****Bring manual to every class****

LAB 1: The Process Of Science **[Aug. 25-28]**
pp. C3–C11 *(back of manual)*

Bio 110 labs will not be held during the week of Labor Day (Sept. 1-4).

LAB 2: FIELD TRIP: Hike at Hoxie Gorge **[Sep. 8-11]**
****Buses leave from in front of Moffet Hall: meet there****
pp. C13–C15 *(back of manual)*

LAB 3: Microscopy and Introduction to Cells **[Sep. 15-18]**
****Bring Gloves****
Chapter 2 pp. 14-25
Chapter 4 p. 48
Review p. 28

LAB 4: QUIZ #1; Classification and Diversity **[Sep. 22-25]**
Chapter 24: Bacteria pp. 347-351 *(skip Gram Stain)*
Protists pp. 353-355
Fungi pp. 358-360
Review p. 364
Worksheet p. C17 *(back of manual)*

LAB 5: Diversity: Invertebrate Animals **[Sep. 29-Oct. 2]**
****Bring Goggles and Gloves****
Chapter 27: Introduction pp. 391-394
Cnidaria pp. 398-401 *(skip Obelia)*
Flatworms pp. 402-404
Review pp. 409, 410
Chapter 28: Mollusks pp. 411-418
Arthropods pp. 425-429 *(top)*
Review pp. 434

LAB 6: QUIZ # 2; Diversity: Seedless Plants **[Oct. 6-9]**
Chapter 26: Introduction pp. 365-367
Nonvascular plants: Mosses pp. 368-370
Vascular plants: Ferns pp. 372 *(top)*, 374-377
Review pp. 378, C19

LAB 7:	Diversity: Seed Plants Chapter 27: Introduction Gymnosperms Angiosperms Review	[Oct. 13-16] pp. 379 pp. 380-384 pp. 384-386, 389 C21- C24 pp. 390, C19
LAB 8:	QUIZ #3; The Cell Membrane **Bring Goggles** Chapter 4: Diffusion Osmosis Review	[Oct. 20-23] pp. 48 (<i>bottom</i>), 50-51 pp. 52 (<i>top</i>), 53-55 p. 58
LAB 9:	Enzymes **Bring Goggles and Gloves** Chapter 6	[Oct. 27-30] pp. 79-86
LAB 10:	Photosynthesis **Bring Goggles and Gloves**	[Nov. 3-6] pp. C25–C28 (<i>back of manual</i>)
LAB 11:	QUIZ #3; Mitosis and Meiosis Chapter 5	[Nov. 10-13] pp. 59- 78
LAB 12:	Mendelian Genetics Chapter 21: Introduction Chapter 21: Inheritance X-linked traits Codominance: Review:	[Nov. 17-20] pp. 281-283 (<i>top</i>) pp. 287 (<i>top</i>), 288-292, C29 pp. 324-325 pp. C33-C38 pp. 298, C31 – C32

Bio 110 labs will not be held during the week of Thanksgiving (Nov. 24-27).

LAB 13:	QUIZ # 4; DNA Fingerprinting **Bring Goggles and Gloves**	[Dec. 1-4] pp. C39 - C41
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BIOLOGY 111: SPRING 2009
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LAB 1:	Digestion ** Bring dissection kit, gloves, goggles ** Chapter 12: Starch digestion Chapter 13: External anatomy Chapter 13: Oral cavity & pharynx Review	[Jan. 26-29] pp. 149-152 <i>(top)</i> pp. 159-161 pp. 162-163 pp. 157, 172
LAB 2:	Digestion (continued); Respiration ** Bring dissection kit, gloves, goggles ** Chapter 13: Abdominal & Thoracic cavities Chapter 17: Lung structure and function Spirometer Aerobic respiration Review	[Feb. 2-5] pp. 164-171 pp. 216-217 p. C43-C44 <i>(back of manual)</i> p. C45 <i>(back of manual)</i> p. 172
LAB 3:	The Heart ** Bring dissection kit, gloves, goggles ** Chapter 15: Structure and function Electrocardiogram Review	[Feb. 9-12] pp. 190-197 p. C47-C49 <i>(back of manual)</i> p. 198
LAB 4:	QUIZ #1; Circulation ** Bring dissection kit, gloves, goggles ** Chapter 14: Circulatory pathways Supplemental vessel diagrams Chapter 15: Blood Chapter 16: Hepatic portal system Review	[Feb. 16-19] pp. 173-184 <i>(top)</i> pp. C51, C53 pp. 188-189 p. 213 p. 186, 198
LAB 5:	Urogenital & Musculoskeletal systems ** Bring dissection kit, gloves, goggles ** Chapter 16: Urinary system Reproductive system Chapter 19: Bones and muscles Muscle worksheet Review	[Feb. 23-26] pp. 199-201 pp. 202-206 <i>(skip human)</i> pp. 249-259 <i>(skip skull)</i> p. C55 p. 214, 262
LAB 6:	PRACTICAL EXAM #1: covers labs 1-5	[Mar. 2-5]

Bio 111 labs will not be held during the week of Spring Break:
(Mar. 9-12).

- LAB 7: Immune system** [Mar. 16-19]
****Bring Goggles and Gloves****
- LAB 8: Nervous system** [Mar. 23-26]
****Bring Goggles and Gloves****
 Chapter 18 pp. 231-242 (*top*), 244
 Review pp. 247
- LAB 9: Animal behavior** [Mar. 30-Apr. 2]
 Australian ground cricket pp. C57-C60
- LAB 10: QUIZ #2; Reproduction/Development** [Apr. 6-9]
 Chapter 16: Reproduction pp. 204, 207
 Chapter 20: Development pp. 263-267, 268-279
 Review pp. 280
- LAB 11: FIELD TRIP: Wastewater Treatment Plant** [Apr. 13-17]
****Buses leave from in front of Moffet Hall: meet there****
Wednesday labs will be shifted to Friday to accommodate Scholar's Day.
 pp. C61-68
- LAB 12: Plant anatomy; Transpiration** [Apr. 20-23]
 Chapter 9: Leaf anatomy pp. 103-104, 106-107
 Stem anatomy pp. 109-111 (*top*)
 Plant transpiration pp. C69-C70
 Review pp. 118, C71
- LAB 13: FIELD TRIP: Hike at Lime Hollow** [Apr. 27-30]
****Buses leave from in front of Moffet Hall: meet there****
 pp. C73-C74
- LAB 14: PRACTICAL #2: covers Labs 8-13** [May 4,5]
**** All practicals will be scheduled on Monday, May 4 and Tuesday, May 5 : reference the posted schedule for your practical time****