

LA GUARDIA COMMUNITY COLLEGE OF THE CITY UNIVERSITY OF NEW YORK

Spring II 2021 SCB 204: HUMAN ANATOMY AND PHYSIOLOGY II LABORATORY SYLLABUS

Amerman Lab Manual <https://www.vitalsource.com/products/exploring-anatomy-amp-physiology-in-the-laboratory-erin-c-amerman-v9781617316210> (\$43.71-\$79.46 depending on length of subscription).

Lab #	Laboratory Topic	Reading in Amerman	Required Handouts	Review in Amerman (Pages and Questions)
1	Introduction Nervous System Anatomy and Histology Spinal cord and Peripheral Nerves Anatomy and Histology Rat Brachial Plexus Dissection	Unit 12 p. 313-324, p. 125 Unit 13 p. 349-352 Unit 14 p. 367-368, 375-378	Figure Rat Brachial Plexus	327-330 (1-10), 331-332 (1-7), 355-356 (7-10), 383-384 (1, 5, 6), 387 (1)
2	Human and Sheep Brain Anatomy including cranial nerves Sheep Brain Dissection	Unit 13 p. 333-348 Unit 14 p. 359-363, 369-371		353-354 (1-6), 357-358 (1-4)
3	Human and Calf Eye Anatomy Physiology of Vision Tests Cow Eye Dissection	Unit 15 p. 389-390, 392-402		413-414 (1-3), 417 (1-3)
4	Senses - Auditory, Integumentary, Olfactory and Gustatory Anatomy and Physiology	Unit 15 p. 391, 403-412		414-416 (4-10), 417-418 (4-8)
5	PRACTICAL EXAM (LABS 1-4) CNS Physiology Human Somatic and Autonomic Reflexes	Unit 14 p. 359-361, 371-374, 380-382		384 (7), 386 (10), 387-388 (4, 7)
6	Digestive System Anatomy and Histology Rat Digestive System Dissection	Unit 24 621-648		657-660 (1-7), 661-662 (1-5)
7	Digestive System Physiology	Unit 24 p. 649-656		660 (8-10), 662 (5)

8	Urinary System Anatomy, Histology and Physiology Rat Urinary System Dissection	Unit 25 663-682 Unit 26 697-702		683-686 (1-10), 687-688 (1-7), 703-704 (5, 6-10), 705-706 (1-3, 5-7)
9	WRITTEN EXAM (LABS 5-8) Human and Rat Reproductive Anatomy and Histology Rat Reproductive System Dissection	Unit 27 707-719, 726-729		731-733 (1-5), 735 (1-4)
10	Physiology of Reproduction Meiosis and Fertilization	Unit 27 720-725 Unit 28 737-741		757 (1)
11	PRACTICAL EXAM (LABS 6-10) Embryonic Development, Early Cleavage, Late Pregnancy and Parturition	Unit 28 741-745		753-756 (1-6), 757 (2-4)
12	Genetics	Unit 28 746-752	Electrophoresis and Genetics Handout	756 (8-10), 757-758 (5-8)
Finals Week	WRITTEN EXAM (LABS 9-12)			

Each laboratory exam is 10% of the final course grade

Lab practical exams are only offered that week during the semester which may begin mid-week

Note: Practical exams have A and B answers. The question will be marked wrong if answers are reversed (for example, A in place of B and B in place of A).

Note: Correct spelling is expected for practical exams. Students are allowed one letter off to receive full credit from a scientifically acceptable form of the word. The answer will be marked half off after the second letter is misspelled. It will be up to the discretion of the laboratory instructor when the term should receive zero credit. An exception is when the one letter spells a different anatomical structure (for example fibia and tibula). In this case, the answer will be marked wrong.