**LAGUARDIA COMMUNITY COLLEGE OF THE CITY UNIVERSITY OF NEW YORK**

**SCB 203: HUMAN ANATOMY & PHYSIOLOGY I LABORATORY OUTLINE**

**Required Materials:** Dissection Kit, Goggles and Nitrile disposables gloves


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<td>The Microscope</td>
<td>Amerman p. 61, 82 (#s 4-7), 83-84 (#s 4-6). p. 57-58</td>
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<td>WRITTEN EXAMS ON LABS 1-3</td>
<td>Amerman Unit 1, p 5-6, 17 - Orientation Unit 5, p 98, 100-101 - Histology Unit 7, 135 – 148 - Histology Unit 8, 153 – 185 – Skeleton Bowden p 1-23 and p 326 (Skeleton) Ancillary Illustrations: Fig. A4</td>
<td>Bone List Definition of Bone Markings</td>
<td>Amerman p. 2, 23, 27 p. 149-152 p. 189-200</td>
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<td>Appendicular Skeleton Fetal Skeleton Articulations</td>
<td>Amerman Unit 8, 153-188 - Skeleton Unit 9, 201-216 - Articulations Bowden p 1-23 (Skeleton) p 49-68 (Articulations) Ancillary Illustrations: Fig. A4</td>
<td>Bone List Definition of Bone Markings</td>
<td>Amerman p. 154-158, 189-200 p. 217-222</td>
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| 6 | **BONE PRACTICAL EXAM ON LABS 4 and 5**  
Muscle Histology  
Muscle Organization  
Introduction to Clay Modeling of Human Muscles | Amerman  
Ancillary Illustrations: Figs. A1, A2  
Unit 5, p 106-109  
Unit 10, p 229-234, 240-242  
Unit 11, p 249-269  
Bowden  
p. 69-263 | Manniken Care  
Muscle Application List  
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Human Muscles List | Amerman  
p. 118 (#6), 246 (#10), 273-280 |
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| 7 | **Human Muscles** | Amerman  
Unit 11, p 249-269  
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| 8 | **Human Muscles** | Amerman  
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| 9 | **MUSCLE PRACTICAL EXAM ON LABS 6-8**  
Blood Histology & Physiology | Amerman  
Unit 19, p.463-470, 473-478  
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p. 481, 485-486 |
| 10 | **Heart Anatomy and Physiology** | Amerman  
Unit 16, p 385-404, Unit 28, p 688  
Smith & Schenk, p. 69-72 | Sculpting the Heart | Amerman  
p. 405-410, 698 |
| 11 | **Vascular Anatomy**  
Arteries and Veins | Amerman  
Unit 17, p. 411-43 | Sculpting the Blood Vessel | Amerman  
p. 437-442 |
| 12 | **Respiratory Anatomy**  
Respiratory Physiology  
Spirometry | Amerman  
Unit 21, p. 509-524  
Unit 22, p. 533-544 | Sculpting the Respiratory System | Amerman  
p. 527-532 |

**PRACTICAL AND WRITTEN LABORATORY EXAMS ON LABS 9-12 IS GIVEN DURING FINALS WEEK**

*** Note that there is a strict no food, no drink, no smoking and no open toed shoe policy in the laboratory. Students who fail to comply with these rules may not participate in the laboratory.  
*** Make-up of missed labs and practical exams must be authorized in writing by the student’s laboratory instructor with prior permission granted by the host laboratory instructor.