

**BIOLOGY 120 LAB SYLLABUS****ANATOMY AND PHYSIOLOGY FALL 2020**

**This Lab Syllabus is subject to change. Please check our Blackboard site for revisions occasionally (revisions will be announced)**

<b>LAB #</b>	<b>TOPICS COVERED</b>	<b>LAB MANUAL READINGS</b>
<b>1</b>	Preface to the Student	HANDOUT FROM 10 <sup>th</sup> ED.
	Getting Started-Scientific Method & Metrics	HANDOUT FROM 10 <sup>th</sup> ED.
	Language of Anatomy	EX. 1
	Organ Systems Overview-Using Torso Models	EX. 2
	The Microscope	EX. 3
	The Cell- Anatomy and Division	EX. 4
<b>2</b>	The Cell- Transport & Permeability	EX. 5
	The Cell- Transport & Permeability (PhysioEx Homework)	PhysioEX EX. 1
	Classification of Tissues	EX. 6
<b>3*</b>	The Integumentary System	EX. 7
	Classification of Covering and Lining Membranes	BLACKBOARD: 9 <sup>TH</sup> ED. Ex. 8 handout
<b>LAB QUIZ 1: On labs 1-3 / REVIEW LAB 1 – REVIEW OF LABS 1-3</b>		
<b>4</b>	<b>Lab Exam 1 - (on labs 1-3) Consult your Lab Instructor for exam start time. Be on time or you lose pts.!!!</b>	
	Overview of the Skeleton	EX. 8
	The Axial Skeleton	EX. 9
<b>5</b>	The Appendicular Skeleton	EX. 10
	Articulations and Body Movements	EX. 11
<b>6</b>	<b>LAB QUIZ 2: On labs 4-5 / REVIEW LAB 2 – REVIEW OF LABS 4-5</b>	
<b>7</b>	<b>Lab Exam 2 - (on labs 4-5) Consult your Lab Instructor for exam start time. Be on time or you lose pts.!!!</b>	
	Anatomy & Organization of Skeletal Muscle	EX. 12
	Gross Anatomy of Muscular System- Part 1 HEAD & NECK MUSCLES	EX. 13
	Skeletal Muscle Physiology (PhysioEx Homework)	PhysioEX EX. 2 / Read EX. 14
<b>8</b>	Skeletal Muscle Physiology using BioPac EMG- Computer Simulation	BIOPAC Handout (use <i>in lieu</i> of manual)
	Gross Anatomy of Muscular System- Part 2 TRUNK MUSCLES	EX. 13
<b>9</b>	Gross Anatomy of Muscular System- Part 3 ARM & LEG MUSCLES	EX. 13
<b>10</b>	<b>LAB QUIZ 3: On labs 7-9 / REVIEW LAB 3 – REVIEW OF LABS 7-9</b>	
<b>11</b>	<b>Lab Exam 3 - (on labs 7-9) Consult your Lab Instructor for exam start time. Be on time or you lose pts.!!!</b>	
	Histology of Nervous Tissue	EX. 15
	Dissection of the Sheep Brain	EX. 17
	Gross Anatomy of the Brain and Cranial Nerves	EX. 17
	Electroencephalography	Read EX. 18
<b>12</b>	Spinal Cord & Spinal Nerves	EX. 19
	Autonomic Nervous System	EX. 20
	Electroencephalography using BioPac EEG- Computer Simulation	BIOPAC Handout
	Human Reflex Physiology	EX. 21
<b>13</b>	<b>LAB QUIZ 4: On labs 11-12 / REVIEW LAB 4 – REVIEW OF LABS 11 &amp; 12</b>	
<b>14</b>	<b>Lab Exam 4 - (on labs 11-12) Consult your Lab Instructor for exam start time. Be on time or you lose pts.!!!</b>	

See Lab Calendar for dates your labs run. Labs will be conducted online on Blackboard Collaborate. Instructions for finding your lab section's session for Lab 1 will be posted on our main Blackboard site.

Lab Quizzes and Lab Exams will be conducted online in Blackboard and Blackboard Collaborate. Your lab instructor will answer questions at your first lab. See grading policy regarding lab attendance policy. See missed lab policy for details on what to do if you miss a lab. See Grading Policy & missed lab policy for information about missed lab exams.

**NOTE: Proctoring software, which may include the use of browser lock-downs and cameras, will be used for examinations in this course.**

All students must bring the following materials to each lab:

*Human Anatomy & Physiology Laboratory Manual, main version 13<sup>th</sup> ed. In MasteringA&P. Elaine N. Marieb, Lori A. Smith. See CUNYFIRST. ISBN: 9780136975861*

- NOTE: MASTERING A&P contains PHYSIOEX, which is REQUIRED and is on LAB EXAMS.
- Optional but not required: Brief Atlas of Human Body, 2<sup>nd</sup> ed. Matt Hutchinson ISBN-13: 978-0321662613 / ISBN-10: 032166261X