

# Anatomy and Physiology (BIO 2870) Laboratory Syllabus Spring Summer

Laboratory Instructors	e-Mail	Days	Time	Section
<b>Room 415 Labs</b>		<b>Room 415 Labs</b>		
Mary Spaulding	ax0769@wayne.edu	M-W	12:30-2:30pm	31392-006
Neha Rajput	gc0226@wayne.edu	T-Th	11:30-1:30pm	31388-002
Heather Khanna	ae5923@wayne.edu	T-Th	2:00 - 4:00pm	31389-003
Steven Kuang	ee0804@wayne.edu	T-Th	6:30 - 8:30pm	31391-005
<b>Room 314 Labs</b>		<b>Room 314 Labs</b>		
Emily Powell	ba7177@wayne.edu	T-Th	2:00 - 4:00pm	31395-009
Nick Marowsky	ba5607@wayne.edu	T-Th	6:30 - 8:30pm	31622-011

**Text:** Laboratory Investigations in Anatomy and Physiology, 2<sup>nd</sup> Edition, Stephen N. Sarikas

**Important Note:** Read each lab exercise before attending the lab, so that you understand the major points of each exercise & can operate the most efficiently in the lab time available.

## **Grading:**

### **Summary of Laboratory Grading Criteria**

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Lab Practical Exams (3@ 100 pts each)	300
Lab Quizzes (10 pts each)	120
Two lowest quizzes dropped	-20
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<b>Lab Total</b>	<b>400 points</b>

### **Practical #1 Adjustment:**

If the score of your first practical is lower than both individual scores of your second and third practical exams, then the average of **all three** practical scores will be used to replace the score of your first practical exam. (Students can still have the adjustment as long as their score on Practical #2 and Practical #3 is equal to or higher than Practical #1.)

**This option is only available to a student that writes all three practical exams and is only for the first practical exam.**

### **Lab Quizzes:**

Students will be given 12 quizzes throughout the semester. The lowest two quiz scores will be dropped. Makeup quizzes will not be offered since all students are able to drop their two lowest quiz scores.

**Please note:**

If you fail to put your name on a quiz, practical, etc., then you will receive an automatic zero for that assignment.

It is the student's responsibility to make sure that questions on quizzes and practicals are answered in the appropriate space. Points will not be given if answers are inadvertently switched.

**Spelling Counts. Students will lose one-quarter of the points per misspelling.  
(0.25 for a 1 point question/ 0.5 for a 2 point question)**

**Lab Policies:**

Students are not permitted in the laboratory room unless their laboratory instructor is present and has allowed them into the laboratory room.

For any issues pertaining to the lab or laboratory room, students must first contact their laboratory instructor, then the Lab Coordinator (Krystyn Purvis; [Krystyn@wayne.edu](mailto:Krystyn@wayne.edu)), and then the lecture instructor.

Any student not actively participating in the day's activities will not be allowed to remain in the lab under any circumstances. Disruptive behavior will not be tolerated in the lab. If a student is being disrespectful or disruptive in their actions, then he/she will first receive a verbal warning from his/her lab instructor. Should the disruptive behavior continue, he/she will be asked to leave the lab.

**Any student asked to leave the lab for any reason will lose one point from his/her final lab score.**

Electronic devices are permitted in lab provided that they are used for viewing course related material, and they are used with the device resting flat on the surface of the laboratory bench. Viewing of non-course related material while in the lab will result in loss of electronic privileges for the remainder of the semester.

**Taking pictures within the laboratory room with cameras, camera phones, or other electronic devices is prohibited!! Students found taking pictures will have 5 points deducted from their overall lab score per offense, and the pictures will have to be deleted.**

Electronic devices are not permitted on quizzes and practicals including Apple watches and ear buds. Having such a device out at your student bench during a quiz or practical exam will be considered cheating, and the student will be asked to leave the lab and will, at minimum, receive a zero for the quiz or practical.

**Eating or drinking while in the lab is strictly prohibited and would be in violation of the Environmental Health and Safety Regulations set by the University. Starting with the third week of class, any student who violates this policy will be asked to leave the room and will not be allowed back until the next laboratory session. If you would like to eat/drink, then you can do so in the hallway outside of the room.**

### **For Quizzes and Practicals:**

Students must write all quizzes and practicals in either black or blue ink or pencil.

Students must make sure that their handwriting is legible. Any answers that cannot be read by your laboratory instructor will be marked wrong.

In addition, students are not permitted to have anything on their wrist or in their ears during the quiz or practical. All watches, ear buds, etc. must be removed prior to the start of the quiz.

### **Practicals:**

Students will be given 1.5 minutes per station on the practical exams.

Students are prohibited from touching the models during the practical.

- If you are seen touching a model during a practical, then you will be given a warning.
- If you continue to touch the models after you have been warned, then you will be asked to leave the lab and will receive a zero for your practical.

Students will be given 5 minutes at the end of the practical to finalize their answers before the answer sheets are collected.

- Students will not be able to go back to any stations. This includes any stations that were missed due to tardiness.
- Students must remain at their last station during these 5 minutes.

### **Makeups:**

**There will be no makeups for any missed quizzes.** You are allowed to drop two quizzes throughout the semester, so please use these drops wisely.

In the event of an absence on the day of a practical exam, a Cumulative Make up Practical Exam is scheduled at the end of the semester during Finals Week.

The Cumulative Make up Practical **cannot** be taken to replace a low score. Students must obtain permission from the Lab Coordinator, Krystyn Purvis, to take this practical.

An email will be sent out at the end of the semester regarding this. Students who wish to take this practical must respond to that email with requested information and by the deadline stated in the email.

**A Question Break down will not be posted for the Cumulative Practical.**

### **Attendance:**

Students can only attend the lab for which they are officially registered.

Attendance will be taken at the beginning of each lab. Students arriving late to lab on quiz days will not be allowed additional time in which to take their quiz. Any student arriving after a quiz has been turned in will not be allowed to take it. In addition, any student arriving after the quiz time has expired will not be allowed to take the quiz.

Any students that register after the first full week of classes will not be given accommodations and will be expected to familiarize themselves with the lab syllabus and any missed information on their own.

### **Re-grading:**

Students will be given **one week** after a quiz or Practical Exam is handed back to discuss their score with the exception of the last practical. Students will only be given 1-2 days for a re-grade of Practical #3 due to the University's requirement regarding the submission of Final Grades.

Regrading will not be done after this week has passed.

- All requests for a re-grade must be done in writing and submitted in person to your laboratory instructor during the week provided.
- Students must specify what they want re-graded and why it should be done.

**Please note:** This week to challenge a grade starts from the day that the lab instructor hands back the graded items, not from the time at which you decide to pick it up.

### **Dissection:**

Over the course of the semester, students will have the opportunity to dissect various preserved organs. Students are required to purchase their own gloves. Gloves will not be provided.

### **Students with Disabilities:**

If you have a documented disability that requires accommodation, please register with Student Disability Services for coordination of your academic accommodations. The Student Disability Services (SDS) office is located at 1600 David Adamany Undergraduate Library within the Student Academic Success Services Department.

The SDS telephone number is 313-577-1851 or 313-577-3365; (TTY--telecommunication device for hearing impaired students).

Once you have your accommodations in place, I will be happy to meet with you privately during office hours to discuss your needs.

Please be aware that a delay in getting this documentation may also delay the facilitation of your needed accommodations. **Accommodations and services cannot be guaranteed if students choose not to follow the procedures for registering with Student Disability Services in a timely manner.**

Accommodations and services can be revisited as needed, but they **are not retroactive** and cannot be guaranteed if procedures are not followed with reasonable, advanced notice.

Student Disability Services' mission is to assist the university in creating an accessible community where students with disabilities have an equal opportunity to fully participate in their educational experience at Wayne State University.

Please refer to the SDS website for further information about students with disabilities and the services provided for faculty and students: <http://studentdisability.wayne.edu/>

**Students with accommodation letters must provide their instructor and the lab coordinator with the letter prior to the first lab quiz.**

**Anatomy and Physiology Laboratory Schedule**

<b>Lab</b>		<b>Date</b>	<b>Experiment/Exercise</b>	
1	✓	May 6-7	EX. 1: Body Organization and Terminology EX. 2: Care and Use of the Compound Light Microscope EX. 3: Cell Structure and Cell Division	
2	✓	May 8-9	Ex. 4: Membrane Transport EX. 5: Epithelial and Connective Tissues	
3	✓	<b>May 13-14</b>	EX. 6: The Integumentary System EX. 7: Introduction to the Skeletal System and the Axial Skeleton Structure of Bone/Skull <b>Quiz #1: Covers Ex. 1-4</b>	10 pts
4	✓	May 15-16	EX. 7: Introduction to the Skeletal System and the Axial Skeleton Skull/Vertebral Column/Thoracic Cage	
5	✓	<b>May 20-21</b>	EX. 8: The Appendicular Skeleton <b>Quiz #2: Covers Ex. 5-6</b>	10 pts
6	✓	<b>May 22-23</b>	EX. 8: The Appendicular Skeleton EX. 9: Articulations <b>Quiz #3: Covers Ex. 7</b>	10 pts
		<b>May 27</b>	<b>No LABS -- Memorial Day (Labs will meet on Friday, May 31 to make this up)</b>	
7	✓	<b>May 28-29</b>	<b>Study Day - Review for Practical #1</b> <b>Quiz #4: Covers Ex. 8-9</b>	10 pts
8		<b>May 30 - 31</b>	<b>Lab Practical Exam 1</b>	100 pts
9	✓	June 3-4	EX. 10: Histology of Muscle Tissue EX. 11: Gross Anatomy of the Muscular System EX 11: Muscles of the Head/Neck/Thorax	
10	✓	June 5-6	EX. 11: Muscles of the Abdominal Wall/Back/Shoulder	
11	✓	<b>June 10-11</b>	EX. 11: Muscles of the Arm/Hand <b>Quiz #5: Covers Ex. 10 and</b> <b>Ex. 11: Muscle Chart: Axial Muscles (to pg 186)</b>	10 pts
12	✓	<b>June 12-13</b>	EX. 11: Muscles of the Hip/Leg/Foot <b>Quiz #6: Ex. 11: Muscle Chart: Appendicular Muscles</b> <b>(from pg 187 to pg 209)</b>	10 pts

13		June 17-18	EX. 13: Histology of Nervous Tissue Ex. 14: The Brain and Cranial Nerves <b>Quiz #7: Ex. 11: Muscle Chart: Appendicular Muscles (from pg 210-227)</b>	10 pts
14	✓	June 19-20	EX. 15: Spinal Cord and Spinal Nerves	
15	✓	June 24-25	EX. 17: Special Senses: Eye and Ear <b>Quiz #8: Covers Ex. 13 and 14</b>	10 pts
16	✓	Jun 26-27	<b>Study Day - Review for Practical #2</b> <b>Quiz #9: Covers Ex. 15 and 17</b>	10 pts
17	✓	July 1-2	<b>Lab Practical Exam 2</b>	100 pts
18	✓	July 3-4	<b>No Labs -- Independence Day Holiday</b>	
19	✓	July 8-9	EX. 20: Gross Anatomy of the Heart	
20	✓	July 10-11	EX. 21: Anatomy of Blood Vessels	
21	✓	July 15-16	EX. 24: Anatomy of the Respiratory System EX. 26: Anatomy of the Digestive System <b>Quiz #10: Covers Ex. 20-21</b>	10 pts
22	✓	July 17-18	EX. 28: Anatomy of the Urinary System EX. 30: The Male Reproductive System EX. 31: The Female Reproductive System <b>Quiz #11: Covers Ex. 24 and 26</b>	10 pts
23	✓	July 22-23	<b>STUDY DAY: REVIEW FOR PRACTICAL #3</b> <b>Quiz #12: Covers Ex. 28, 30-31</b>	10 pts
24	✓	July 24-25	<b>Practical #3</b>	100 pts
		Wednesday, July 31	<b>Cumulative Makeup Practical Exam at 1:30 pm in Rm 415</b>	