

**Human Anatomy and Physiology I**  
**BIOL 101L LM or BIOL 101L LM2**  
**Maryville University/ Dr. Richmond LAB**

**LAB TIME:** Sunday 12:30-2:30 pm; Sunday 2:30-4:30 pm

**Lab Room:** Kern 2126

**DATES:** 1/17/10, 1/31/10, 2/14/10, 2/28/10, 3/14/10, 3/28/10, 4/11/10, 4/25/10

**Instructor:** Dr. Scott Richmond

**Office:** By Appointment Only

**Email:** srichmond@maryville.edu

**REQUIRED BOOKS:**

1. Anatomy and Physiology: The Unity of Form and Function (4th edition). Saladin
2. Anatomy and Physiology Lab Manual (2nd edition), Bruzzini, McGraw Hill

**LEARNING OBJECTIVES:**

1. Have an understanding of the anatomy and physiology of the cell and cellular metabolism.
2. Have an understanding of the anatomy and physiology of the tissues and Integumentary system.
3. Have an understanding of the anatomy and physiology of the bones and joints and bone tissue.
4. Have an understanding of the anatomy and physiology of the muscles and muscular system.
5. Have an understanding of the anatomy and physiology of the nervous system and nervous tissue.

**ASSESSMENT:**

Students' success in this class will be monitored by administering THREE lab exams, quizzes (announced and unannounced) and turned in assignments. Laboratory exams will be designed to test general knowledge of laboratory procedures and assignments. Supplemental handouts will be given throughout the course of the semester. **All exams (practicums) administered will be worth 100 percentage points with a total of 300 points.** Quizzes and other assignments range in point distribution. Total available points 350. This lab is worth 25% credit toward your grade.

Quizzes will be administered periodically on the material covered previously. Total points for these quizzes will be added to the final point total. Success on these quizzes will be helpful in preparing you for the lab exams (practicums).

This course is designed to provide students with the basic terminology, concepts, and principles of anatomy and physiology. The focus is not on application. The course will require CONSTANT and INTENSIVE study.

### **CLASSROOM ACTIVITY/ TESTING:**

Students are expected to regularly attend class. Class will start on time. Reading from the text and the lab manual are essential for complete understanding and should be examined **BEFORE** each lab. Because classroom work will be designed on the assumption that you have read the text and lab manual, you should obtain an overview of the material for each lab before coming to class. Students can then use what is presented in lecture along with the assigned readings as guides in the examination of the gross anatomical structures and on computer assignments.

In all, there will be three –one hour lab exams (practicum's) that cover the laboratory material. **These times are FIXED and student schedules will be adjusted accordingly to accommodate the exams.** No excuses will be accepted. The exams will primarily be identification and function of gross anatomical structures, models and photographs. There will be **NO** make-up tests. There will be **NO** make-up lab quizzes. There are no re-tests on any material.

Each one-hour lab exam is filling in the blank. Each exam is timed. The exam is set up with areas/stations with 2-4 questions at each station. You answer the questions and move to the next station. You do not return to that area/station. There are never any word banks.

If you miss an exam or arrive late you will receive a zero for that exam.

### **Grade Point Distribution:**

The lecture portion of the course will count as 75% of the final grade. The laboratory portion of the course will count for 25% of the final grade.

The grade cutoffs are listed below. Extra credit will **NOT** be available for this course. At times extra credit questions are available on lab exams. Final averages that include fractions of 0.5 or greater will be rounded up to the next whole number. These cut-offs are **NOT** negotiable.

Grades will be issued on a percentage basis with the following scale:

	A = 100.0-92.5	A- = 92.4-89.5
B+ = 89.4-86.5	B = 86.4-82.5	B- = 82.4-79.5
C+ = 79.4-76.5	C = 76.4-72.5	C- = 72.4-69.5
D = 69.4-59.5	F = 59.4 or less	

Students found cheating will receive an F for the course, be placed on disciplinary probation, and/or be expelled from this college.

### **Make-Up Policy for Anatomy Lab: No Make-up, No Retakes**

If you miss an exam you will receive a zero for that exam. Absolutely no make-up lab practicums or quizzes will be allowed.

**Remember you have an “A” right now....It is up for you to keep it.**

**WITHDRAWAL POLICY:**

Students must initiate withdrawal through the Admissions Office. Please see listed dates of deadline each semester. Failure to do so results in an “F” for the course. Incompletes are NOT given unless the circumstances warrant it and then ONLY at the discretion of the instructor and the department. A passing grade of a “C” or better with more than 70% of the course successfully complete will even be considered.

**ATTENDANCE:**

Class attendance is expected. If you miss a class, borrow the notes from a classmate and check to see if the schedule has changed. DO NOT ask your professor for notes. Absence from more than 4 classes may result in and “F” for the course.

Punctuality is important. Late arrivals disrupt the class and tardy students will find themselves locked out of the class until the break.

Beepers, cell phones, MP3 players, etc are also very disturbing. Put them on vibrate or turn them off during class time. They are not allowed in the room during any testing situation.

**TUTORS:** Free tutoring is available. We don’t know you need help unless you come and talk to us.

**DISABILITY SUPPORT SERVICES:**

Students who have any disability that might affect their performance in this course should see me at the BEGINNING of the semester. Approved accommodations will be made as identified.

**FINAL NOTE:**

ALL students are encouraged to see me. Appointments can be scheduled usually that same day. I do expect that students put forth the necessary time and preparation for the course, but I also understand that all this information can be overwhelming.

I do not know you are having problems if you don’t come see me, and/or E-mail me.

***This schedule is subject to change at the discretion of the professor. It is the students’ responsibility to keep abreast of any changes. It is the students’ responsibility to come to class on time, be prepared and ready to achieve greatness.***

## BIOL 101L LM1 and/or LM2 Laboratory Schedule

Maryville University - Dr. Richmond (This schedule is subject to change.)

<b>Week</b>	<b>Topic</b>	<b>Lab Exercises and Materials Needed</b>
<b>1/17/10</b>	Care and use of the compound microscope Cell Structure, Cycle and Function Epithelial Tissue/ Connective Tissue  Integumentary System Review, If time, start Skeletal System	Microscopes, Cell model, slides of cell cycle Slides of epithelial Slides connective tissue Slides, Skin Models
<b>01/31/10</b>	<b>Quiz over Cells, Tissue, Skin</b>	<b>20 points</b>
	Structure and classification of bone The Skull Vertebral column and thoracic cage Pectoral Girdle/ Upper Limb Lower Limb and Pelvic Girdle/Joints Review	Skeleton, Slides Human Skull, models Spinal cord model Joint models Bones, skeleton
<b>02/14/10</b>	<b>Lab Practicum I cells, tissues, skin,</b>	<b>100 Points</b>
<b>02/28/10</b>	Skeletal System Review if needed Muscle Tissue Slides/Muscles of the face head and neck	Skeleton muscle slides, arm, leg human torso model
<b>03/14/10</b>	<b>LAB PRACTICUM II: BONES</b>	<b>100 Points</b>
	Muscles of the chest, shoulder, abdominal wall Muscles of the back, pelvic outlet, hip, lower limb Review	Human torso model, arm, leg
<b>03/28/10</b>	<b>Muscle: Homework Assignment, Due No excuses accepted</b>	<b>30 points</b>
	Review Muscles if needed, Start Nervous System Nervous tissue The Meninges CNS, PNS, Sheep Brain	slides of nervous tissue Handouts Spinal cord model
<b>04/11/10</b>	Dissection of sheep brain Spinal Cord/ Brain and Cranial Nerves/Dissection REVIEW	Sheep Brain
<b>04/25/10</b>	<b>LAB PRACTICUM III: Muscles, CNS, PNS, sheep brain</b>	<b>100 points</b>

Total Possible Points = 350 25% of your overall grade

**WE ARE DONE**

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