



# BIOL 351: Physiology I LAB

(FALL 2015)

## I. Instructor and Course Information

Name:	<b>Dean Wilkinson DVM</b>
TA	<b>Danielle Turner dturne00@nmt.edu</b>
Class Location:	
Class Days/Times:	Monday 2:00- 4:30pm
Office Location:	
Office Hours:	By appointment
Phone:	835-5612
Email:	<b>deanw@nmt.edu</b>

## II. Course Description

BIOL 351, Physiology I, 3 cr, 3 cl hrs.

Prerequisites: BIOL 112; 331

This semester will introduce terms, principles and mechanisms of vertebrate function, emphasizing mammalian systems, includes membranes, receptors, and body system anatomy and physiology. This semester will be a bit more comparative anatomy and physiology oriented than normal. The lab will be somewhat of a self- paced anatomy based course using the cat as a study tool. The schedule will follow the lectures schedule as close as possible. The basic plan for the lab is to use the cat dissection to identify a list of anatomical structures with a lab quiz over the previous lab structures at every lab. Hopefully there will be the opportunity to do some necropsy and lab presentation of clinical cases as they become available.

## III .Learning Objective

To become familiar with basic understanding of the physiology and anatomy associated with the skeletal system, Muscular system, Nervous system, Cardiovascular system, and reproductive system as well as basic anatomic and physiologic terminology

## IV. Textbook and Materials

**Laboratory Manual for Anatomy and Physiology Michael G. Wood 5<sup>th</sup> edition/cat version**

*Visual Anatomy & Physiology*, Martini, Ober & Nath, 1<sup>st</sup> edition

Reference texts: Textbook of Veterinary Anatomy 4<sup>th</sup> edition Dyce, Sack, Wensing, Textbook of Medical Physiology, Guyton

Helpful/interesting reference DVM 360, iPad, iPhones app, \$10.00, Anatomy and Physiology of Farm Animals Franson

Suggested Supplies:

- Pencils & Pens
- Paper
- Highlighter
- 3-ring binder
- Hole punch

**V. Grading**

I'll be using the following grading scale: See point sheet

Course grades will be figured as follows:

Number	<u>&gt;92</u>	90-91	87-89	83-86	80-82	77-79	73-76	70-72	67-69	63-66	60-62	<60
Letter	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

**Exams:** Exams may be composed of one or more of the following: multiple choice, true/false, matching, short essay and labeling questions.

**Homework, quizzes, etc.:** *Homework* is based on the readings in the textbook and may be composed of one or more of the following: multiple choice, true/false, matching, short essay and labeling questions. *Quizzes* are based on lecture material. They will be given at the beginning of class so be on time because there will be no make-up quizzes allowed. Since no lab is offered, we will try to get time for viewing histopathology slides and possibly some clinical case presentations. For at least one system, we will work in small groups on one or more *case studies* during class and then report on your findings.

**Final Exam:** The Final Exam will be cumulative. The Final Exam may be composed of one or more of the following: multiple choices, short answer labeling questions.

**VI. Attendance**

**What if I miss a class?**

Attendance is vital to passing this course! I understand, though, that life happens, and we sometimes have to miss class because of unforeseen circumstances. If you do miss class, you need to (1) contact me about missing class and (2) get as caught up as possible before returning to class. You cannot simply wait and come back to class asking “What did we do when I was absent?” **You are responsible for what you missed**, including assignments and any information, written or verbal, that I gave during class. Some things, like the case study or lab, cannot be made up due to the nature of the assignment. Quizzes cannot be made up.

**What if I miss an exam?**

If you miss an **exam**, exams missed can be made up provided that all of the following conditions are met:

1. You notify me in person or email within 12 hours of the time of your absence.
2. You have an excuse/circumstances deemed reasonable by me and documentation is provided Within a reasonable amount of time (doctor's note, etc.) if warranted.
3. You make up the exam before the next class period.

## **VII. Classroom Civility**

Students are expected to contribute to a classroom environment that is respectful and conducive to learning. Inappropriate behavior in the classroom may result in a request to leave class and possible referral to the Dean of Students.

## **VIII. Electronic Devices in Classes and Labs**

**Cell phones must be turned OFF or put on SILENT (VIBRATE) during class.** You may be allowed to keep it on vibrate during class if you are expecting an important phone call but you must notify me **before** class begins. Electronic entertainment devices are to be turned off and headphones/ear buds removed. **Do not text during class.** Abuse of this policy may lead to a request to leave class and/or disciplinary action. Use of electronic devices during exams will be considered possible methods of cheating so do not take out or use any kind of electronic device during exams.

Cell phone must be on vibrate during class so campus emergency alerts can be received by the class as a whole. This is the only circumstance that you should be checking your cell phone during class and most especially during an exam. Sign up for emergency notification through this web site: <http://www.nmt.edu/cat-campus-police/4002-emergency-notification-system>. Cell phones must be put away and out of sight, do not leave class to answer your phone.

## **IX. Honor Code**

**Those of you going to Vet School will operate under an honor code system most likely. Therefore I would like to introduce the principle here. Basically that means cheating in any form or fashion is not tolerated. It is up to you to be responsible and honest enough to assure that you and your fellow classmates are not cheating on any assignments or exams. Respect of fellow students, teachers, guests, time, materials, and personal items will be expected. You should all know right from wrong and be responsible enough to remain honest and courteous. If you are caught or questioned the appropriate administrative faculty members will be notified immediately.**

## **Counseling and Disability Services**

**Reasonable Accommodations:** New Mexico Tech is committed to protecting the rights of individuals with disabilities. Qualified individuals who require reasonable accommodations are invited to make their needs known to the Office of Counseling and Disability Services (OCDS) as soon as possible. In addition, New Mexico Tech offers mental health and substance abuse counseling through the Office of Counseling and Disability Services. The confidential services are provided free of charge by licensed professionals. To schedule an appointment, please call 835-6619.

**Academic Honesty:** New Mexico Tech's Academic Honesty Policy can be found starting on page 59 of the NMT catalog, [http://www.nmt.edu/images/stories/registrar/pdfs/2013-2014\\_UNDERGRADUATE\\_Catalog\\_FINAL.pdf](http://www.nmt.edu/images/stories/registrar/pdfs/2013-2014_UNDERGRADUATE_Catalog_FINAL.pdf)

You are responsible for knowing, understanding, and following this policy.

