

**BIOL 106L&L – All Lab Sections
Anatomy and Physiology II – Lab
Department of Life Sciences
Winter 2012**

Course Information

BIOL 106L&L – Sections – W01 & W06, W03 & W08, W12 – Anatomy and Physiology II Lab

Credit Hours: 0
Lab Hours: 3 per week
Prerequisites: C or better in BIOL 105
Corequisites: BIOL 106LEC

Catalog Description

This laboratory course is a continuation of Biology 105 for students in nursing and other health-related fields that need an intensive study of the anatomy and physiology of the human organism. Emphasis is on the skeletal, muscular, nervous, digestive, cardiovascular, respiratory, urinary, endocrine and reproductive systems of the human organism. **This course may require the dissection of animals.**

Faculty Information

Professor: **Tyler Karns**
Office Location: 243-E or 253
Office Hours: 30 minutes before & after class as necessary
Telephone: 231.777.0273 (Dept. Secretary)
Email: Tyler.Karns@muskegoncc.edu

Lab Goals

Upon successful completion of the laboratory section, the student will have done the following:

1. Properly use a microscope.
2. Identify the major anatomical structures of the body systems.
3. Recognize by diagram, photomicrograph, or through a microscope the subclasses classes of tissues.
4. List the specific types of tissues found in organs of the body.
5. Interpret various forms of data collected during lab experiments.
6. Apply physiologic principles from lecture to lab experiments.
7. Work cooperatively with peers and learn to appreciate the different values, knowledge, and interpretations that each individual brings to the course.

Required Course Materials

- Saladin, Kenneth. Anatomy and Physiology: The Unity of Form and Function, 6th Ed. ISBN: 9780073378251
- Mattone, Biology 106 Lab Manual
- McGraw-Hill, Connect Code. **Note: A Connect code from Fall 2011 will work for Winter 2012.**
- Amerman, Erin. Exploring Anatomy and Physiology in the Laboratory. ISBN: 9780895827975 **(Note: Do not buy this book if you already have it from Biology 105. If you do not have it, you can purchase a small packet of just the pages that we will be using from this book.**

Suggested Course Materials

- DeGraff, Kent M., Morton, David. Crawley, John L., A Photographic Atlas for the Anatomy & Physiology Laboratory. 6th Ed ISBN: 0895826984
- Krieger, Paul. A Visual Analogy Guide to Human Anatomy and Physiology. ISBN: 9780895828019

Grading Policies

The lab portion of this course is worth 300 points will count as 30% of your overall grade (with lecture accounting for the remaining 70%). Lab grades will based on the following:

- 4 Lab exams @ 50 pts = 200 pts
- Lab quizzes, pre-lab exercises, miscellaneous lab work = 100 pts

Grading Scale

100 - 92.0	A	79.9 – 78.0	C+	61.9 – 60.0	D-
91.9 - 90.0	A-	77.9 – 72.0	C	59.9 and ↓	E
89.9 - 88.0	B+	71.9 – 70.0	C-		
87.9 - 82.0	B	69.9 – 68.0	D+		
81.9 - 80.0	B-	67.9 – 62.0	D		

Blackboard

Blackboard will be used during this term. Handouts will be available for download. It is highly recommended that you download these items PRIOR to the lab and bring them to class. I will not be providing copies of these for you except through Blackboard. Any other handouts, review sheets, rubrics, assignments, etc., will all be distributed through blackboard unless otherwise stated.

To access blackboard:

- Go to <http://blackboard.muskegoncc.edu>
- Your username and password are the same as your network login.

Attendance Policies

Attendance is required at all lab session unless otherwise indicated. Any missed lab session will result in a 10% deduction from your overall course grade at the end of the semester. Missing two (2) labs will result being dropped from the course. Missed lab quizzes and exams cannot be made up. If you know that you will miss your regularly scheduled lab time due to extenuating circumstances, it is possible to attend a different lab section. **Please contact your instructor prior to your regular lab session to see what sections have available seats. Please do not assume that a seat will be available when you want to drop into the lab.**

Statement on Student Behavior

Muskegon Community College is a community of scholars whose members include students, faculty, staff, and administrators. Mutual respect and civility are expected in the classroom, or other college related academic settings, as well as in any communication. The college has a duty to provide students privileges, opportunities, and protections that best promote learning.

Students have the right to a non-threatening learning environment. Students have the responsibility to refrain from infringing on the right of others to learn or the right of teachers to teach. Any student whose behavior disrupts learning may be subject to disciplinary action as outlined in the Muskegon Community College Student Handbook/Planner. The instructor reserves the right to remove students from class that do not behave in such a manner. Please turn off all cellular phones, pagers, or other electronic devices.

Statement on Academic Dishonesty

Academic Dishonesty consists of, but is not limited to:

- Cheating – Cheating is defined as using or attempting to use, giving or attempting to give, and obtaining or attempting to obtain materials, or information, including computer material pertaining to a quiz, examination or other work that a student is expected to do alone.
- Plagiarism – Plagiarism is defined as the use of another's words or ideas without acknowledgement.

Dishonesty of any kind will NOT be tolerated in this course. Any acts of cheating and/or plagiarism will result in dismissal from the course and a grade of E given at the end of the semester. Taking during exams for any reason to anyone but the instructor will result in an automatic zero for that assessment.

Communications From MCC

All email communication originating from MCC to students will be via their MCC email account. **CHECK YOUR MCC EMAIL FREQUENTLY!**

Miscellaneous Notes

All student work will be returned to students in a timely manner. All exams will be kept by the instructor and destroyed two weeks into the following semester.

Lab Schedule

Week of	Topic
January 9	Lab 1: iWorx Training
January 16	iWorx HW due Lab 2: Nervous System
January 23	Quiz over lab 2 Lab 3: Sensory Physiology and Reflexes
January 30	Lab Exam 1 Lab 4: Skeletal System
February 6	Quiz over lab 4 Lab 5: Articulations and Skeletal Muscles
February 13	Lab 6 part 1: Muscle Physiology (iWorx)
February 20	Lab 6 part 2: Muscle Physiology (iWorx) Experiment documents due
February 27	<i>Mid-Winter Vacation</i>
March 5	Lab Exam 2 Lab 7 part 1: Blood
March 12	Lab 7 part 2: Blood Lab 8 part 1: Cardiovascular Physiology I (iWorx)
March 19	Quiz over lab 7 Lab 8 part 2: Cardiovascular Physiology II (iWorx)
March 26	Quiz over Lab 8 Lab 8 part 3: Cardiovascular Physiology II (iWorx)
April 2	Lab Exam 3 Lab 9: Respiratory Anatomy
April 9	Quiz over lab 9 Lab 10: Respiratory Physiology (iWorx)
April 16	Quiz over lab 10 Lab 11: Urinary Physiology and Urinalysis
April 23-26	Lab Exam 4 Note: students in the daytime labs on April 26 will need to take their lab exam between April 23-25. Sign-up sheets will be posted 2 weeks prior to the final exam.

The Life Science Department reserves the right to change this syllabus at any time without advance notice. Every effort will be made to keep changes to a minimum.