BIOL 106L&L Sections W01-W10
Anatomy and Physiology II – Lab
Department of Life Sciences
Winter 2013

Course Information
BIOL 106L&L Sections W01.W04.W07.W10 – 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:
Office Location:
Office Hours:
Telephone:
Email:

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

- Mattone, *Biology 106 Lab Manual*
- 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


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

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

Grading Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>100 - 92.0</td>
<td>79.9 – 78.0</td>
</tr>
<tr>
<td>A-</td>
<td>91.9 - 90.0</td>
<td>77.9 – 72.0</td>
</tr>
<tr>
<td>B+</td>
<td>89.9 - 88.0</td>
<td>71.9 – 70.0</td>
</tr>
<tr>
<td>B</td>
<td>87.9 - 82.0</td>
<td>69.9 – 68.0</td>
</tr>
<tr>
<td>B-</td>
<td>81.9 - 80.0</td>
<td>67.9 – 62.0</td>
</tr>
</tbody>
</table>

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
<table>
<thead>
<tr>
<th>Week of</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 7</td>
<td>Lab 1: iWorx Training</td>
</tr>
</tbody>
</table>
| January 14 | **iWorx HW due**  
Lab 2: Nervous System |
| January 21 | **Quiz over lab 2**  
Lab 3: Sensory Physiology and Reflexes |
| January 28 | **Lab Exam 1**  
Lab 4: Skeletal System |
| February 4 | **Quiz over lab 4**  
Lab 5: Joints and Skeletal Muscles |
| February 11 | **Quiz over lab 5**  
Lab 6 part 1: Muscle Physiology (iWorx) |
| February 18 | **iWorx experiments HM-1 Due**  
Lab 6 part 2: Muscle Physiology (iWorx) |
| February 25 | **Mid-Winter Vacation** |
| March 4 | **Lab Exam 2**  
Lab 7 part 1: Blood |
| March 11 | **Formal Lab Reports Due**  
Lab 7 part 2: Blood  
Lab 8 part 1: Cardiovascular Physiology I (iWorx) |
| March 18 | **Quiz over lab 7**  
Lab 8 part 2: Cardiovascular Physiology II (iWorx) |
| March 25 | Lab 8 part 3: Cardiovascular Physiology II (iWorx) |
| April 1 | **Lab Exam 3**  
Lab 9: Respiratory Anatomy |
| April 8 | **Quiz over lab 10**  
Lab 10: Respiratory Physiology (iWorx) |
| April 15 | Lab 11: Urinary Physiology and Urinalysis |
| April 22-25 | **Lab Exam 4** |

*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.*