BSC 181/182 labs 2010

**Lab Manuals:**

The lab manuals have been set up so that many of the labs can be divided into three parts: information/prelab, activities, and questions/labeling.

Although the labs are yours, I think it could be helpful to format your time in the following way:

1. Review the previous lab material and make sure all lab manual questions are answered correctly. Depending on the timing of the lab quizzes/exams, you may wish to do the review at the end of the lab.
2. Pre-lab of current material
3. Lab
4. Initial last page of lab exercises before students leave. Check to see that the questions have been answered and the work has been completed. Please assign the participation points to the students based on their completion of the lab work, questions included.

I tend to encourage students in lab to be social and work together on their labs. This includes viewing slides, labeling images, and answering lab questions. I would prefer that before a student leaves lab for the day, the lab work must be completed.

For many of the questions and most of the illustrations the student **WILL** need their text book. Some of the information can be found from their lecture notes, and some will come from the lab write up itself. A TA/answer key is being prepared and will be made available to you some time in the near future.

**Lab Quizzes/Exams:**

Many students will request review material or study guides for the evaluations. Although I prefer not to provide study guides, you are welcome to help them out and guide them in their reviewing. I will ask that you NOT provide a breakdown of the quiz/exam material after you’ve seen the content. Reviews should cover ALL of the relevant lab material, not just the material on the quiz/exam.

**Make up exams/quizzes:**

This will be left to the discretion of the TA. If the student has a reasonable excuse for having missed an evaluation, you are welcome to administer a make up exam. Be consistent. If you allow one, you have to allow all; if you deny one, you must deny all. Decide at the beginning of the semester what your policy will be.

**Lab Syllabi:**

Lab syllabi for BSC 181 and 182 have been linked through the class website: <http://www.bio.ilstu.edu/bawargo/>

They will be discussed in lecture at the beginning of the semester, but should also be reviewed in your lab. As of Fall 2010, the lab syllabus has been incorporated into the lecture syllabus. Open the lecture syllabus and then scroll down to the last few pages to find the lab syllabus.

**Article summaries**:

The students will be submitting article summaries throughout the semester. These summaries are to cover anything remotely related to anatomy and physiology that they can find in local or national news or publications. These are NOT to be journal articles or research articles. They should be a summary of the type of news story that can be found in the Pantagraph or CNN.com or FoxNews. The summary should come attached with a printout or copy of the original article (no documentation page this way.) The articles are to be graded as follows:

Article is on time, a full page and a half, and on topic: 10 points

Article is on time, one page and a few lines, on topic: 8 points

Article is on time, one page only, on topic: 6 points

Article is late\*: 0 points

\* I often allow some leniency with this. If they are having printer or computer issues and can email it, I don’t deduct points. The article needs to be submitted the same day as its due date. Otherwise it is still considered “late” and will earn no points

**Grade submission**:

You are enrolled as TAs through Blackboard for your lab sections. After the article summaries have been submitted, please upload the grades. Same for the lab quizzes. The grades will not immediately be viewable by the students. I will make them available after all grades (and changes, if necessary) have been completed.

As always, if you have any questions or suggestions for lab, please let me know.

**181 Schedule of labs**

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| Week of  | lab |
| Jan 12 | No labs, first week of class |
| Jan 19th  | No labs, MLK observance |
| Jan 26th  | Microscope, Anatomical terms and regions |
| Feb 2nd  | Mitosis and epitheliumArticle Summary One due |
| Feb 9th  | Connective Tissues, start axial skeleton |
| Feb 16th  | Lab Quiz one, (microscope through connective tissues) |
| Feb 23rd  | Review Axial skeleton, begin Appendicular skeletonArticle Summary Two due |
| Mar 2nd  | Muscle lab |
| Mar 9th  | No labs, Spring Break |
| Mar 16th  | Lab quiz two, skeleton and muscle |
| Mar 23rd | Brain and spinal cord |
| Mar 30th  | Nerves and special sensesArticle Summary Three due |
| Apr 6th  | Quiz Three: brain, spinal cord, nerves, and special senses |
| Apr 13th  | Eye Anatomy Article Summary Four due |
| Apr 20th  | Cranial nerves |
| Apr 27th  | Quiz four, eye anatomy and cranial nerves Article summary Five due |
| May 4th  | No labs |

**182 Lab Schedule**

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| Jan 12 | No labs, first week of class |
| Jan 19th  | Endocrine |
| Jan 26th  | BloodArticle Summary One |
| Feb 2nd  | Cardio Structure |
| Feb 9th  | Cardio/EKGArticle Summary Two |
| Feb 16th  | Cardio/blood vesselsArticle Summary Three |
| Feb 23rd  | Open lab for review |
| Mar 2nd  | Lab Exam |
| Mar 9th  | No labs, Spring break |
| Mar 16th  | Lymphatic |
| Mar 23rd | RespiratoryArticle Summary Four |
| Mar 30th  | Digestive |
| Apr 6th  | Urinary |
| Apr 13th  | ReproductiveArticle Summary Five |
| Apr 20th  | Open lab for review |
| Apr 27th  | Lab Exam  |
| May 4th  | No labs |