Biological Concepts: Unity 26-105
Fall 2012 Lab Syllabus

Instructor: Donna Charley-Johnson, M.S.
Phone: 424-0930
Email: charleyj@uwosh.edu
Office: Halsey 33
Office Hours: Monday, Wednesday, Friday 12:40-1:40 or by appointment.
Texts: University of Wisconsin Oshkosh edition of Campbell, N.A., J.B. Reece, L.G. Mitchell, and M.R. Taylor. *Biology: Concepts and Connections,*
Biology105 Concepts in Biology: Unity Laboratory Manual.
Grading: Your lab grade will be 33% of your final course grade and will be determined in the following manner:

1. Group Lab reports, Group Additional Questions: 50%
2. Individual Lab Quizzes: 40%
   Quizzes will be given every week at the beginning of class (except the first week) and will be short answer and cumulative.
3. Attendance: 10%

Expectations:

- Bring text and lab book to class every week.
- Read the lab exercises before coming to class.
- Answer all questions/fill in all blanks in lab book.
- Participate in class discussions
- Review previous work, particularly in ongoing lab experiments.

Cell Phone/Texting Policy:
I have a zero tolerance policy for cell phones and texting in class. If you are observed using your cell phone or texting during the lab period you will receive a zero for the day. This means you will not get any credit for your quiz, your lab report or attendance. Quantitatively, that means if you are observed using your cell phone or texting you will lose as much as 8.3% of your lab grade or 2.7% of your final transcript grade. Every time.
Lab Reports:
Lab reports will be written as a lab group—one report turned in for your group of 3 people. Reports must be turned in at the end of the lab period. Late and/or illegible lab reports will not be graded.
Lab reports should be written on the form provided and should contain the following elements:
Hypothesis: What is happening? (Big picture) Be sure that you state it as a hypothesis and as a prediction. This is a general explanation of an observed phenomenon, not a prediction of what you think will result from a specific experiment.
Example: Termites navigate by sight (hypothesis).
Not: The termite will follow the blue line but not the red (prediction).
Proposed experiments and controls: What will you do to test your hypothesis? Include enough details and information so that your experiment could be repeated exactly. Be sure to describe your controls. You must have controls to support or falsify your hypothesis—how do you know the termite is following the color and not the scent.
Predicted results and rational: What do you expect to observe and WHY? These predictions are specific to your designed experiment, and should be made BEFORE you do the experiment. This helps you to know that you have the proper controls. Explain the scientific basis for your predictions.
Actual results and conclusion: What were your actual observations? Include any measurements collected in either a table or graph. It may be appropriate to show the class data in addition to your lab group's data. Was your hypothesis supported or falsified? What conclusions can be drawn from your data? Don't make statements that aren't supported by your data! If further experiments need to be done, describe what else you could do to find the answer to the problem.

Additional Questions:
Lab quizzes and additional questions will serve as a measure of your understanding of the concepts covered in this course and your ability to apply the learned concepts.
Academic Integrity: If you decide to participate in any form of academic dishonesty you will be subject to the Student Academic Disciplinary Procedures as outlined in the Student Disciplinary Code (http://www.uwosh.edu/dean).
Americans with Disabilities Act: UWO is committed to providing accommodations and/or services to students with documented disabilities. Students who are seeking support for a disability should contact Disability Services, 125 Dempsey Hall. Phone: 424-3100; TTY 424-1319; email www.tts.uwosh.edu/dean/