

### **Internal Assessments**

During the months of January and February, all ESS students will complete two self-designed formal lab write-ups that are suitable for evaluation according to PL, DCP, and DEC. (handouts of rubric criteria have been provided and are available on wikispace) Please take time to ensure the labs are suitable for evaluation before completion. For example, if a lab doesn't contain data that can be processed, it is not a suitable choice.

In the next few class periods instructions will be given on various processes that you might find useful when performing your labs. These processes include serial dilution, bioassay experiments, and guides to self-help on the Vernier probeware.

It is important that you use the date schedule printed on the back side of this paper to plan your time wisely for the two lab reports. It is the responsibility of each student to meet this expectation. If additional class time is needed, it is the responsibility of the student to schedule time with the instructor. (and well PRIOR to the due date!)

Students may bring personal computers or check out computers from the mobile lab for use during the work days. It is the choice of the student how to manage the time provided, but time must be spent on ESS requirements only. (book, lab, etc.)

It is of utmost importance that students maintain open communication with the instructor to make sure that the labs are going according to plan and necessary equipment and materials are available. It is in the best interest of all parties to plan labs that are doable in this time frame.

### **Book Assignments**

Unit 4 and Unit 5 should be read and notes should be taken on the reading. In addition, book assignments should be completed independently and are due according to the dates on the agenda on the back side of this page. Thoroughness of answers is essential, **as there will not be lecture on these units.** Please put a heading on the paper with the assignment number. **Write the question or the assessment statement followed by the answer. Skip a space between each exercise or assessment statement.** Turn in each assignment on the day it is due at the **beginning of the class.** (If your handwriting is difficult you may type.)

### **Daily Routine**

At the beginning of each class period, the assignment due will be collected. Each class member will then **use lab data books to record what was done during the class period.** Each entry should include a list of all data collected and/or tasks completed.

### **Signature**

I understand the expectations and agree to use the class time provided for the completion of the tasks set forth.

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## Agenda

<b><i>Class Meeting</i></b>	<b><i>In Class Plan</i></b>	<b><i>Assignment</i></b>
Monday, 1-5	Return Unit 4 test/review Discuss plan for Jan./Feb.	<u>Assignment 4.1-1 (due 1-7)</u> p. 177/1-3 (skip #4) p. 180/1-2 (skip #3)
Wednesday, 1-7	Collect 4.1-1 Assignment Start Bioassay (5 days) Dilutions and Solutions	<u>Assignment 4.1-2 (due 1-9)</u> p. 183/1-3 (skip #4) p. 184/1-4
Friday, 1-9	Collect 4.1-2 Assignment (Cont. Dilutions/Solutions) IA's return/review IA Expectations Discussion Vernier availability/tutorials (outline posted on Wikispace)	<u>Assignment 4.2 (due 1-13)</u> p. 188/1-3 (skip #4, but do read p. 187) p. 190/1-3 p. 194/1-2 (special handout covers 3,4 for Red List)
Tuesday, 1-13	Collect 4.2 Assignment Collect Bioassay data	<u>Bioassay Output (due 1-15)</u> Provide an appropriate data table and graph only with summary sentences from data collection
Thursday, 1-15	Collect and evaluate graphs from bioassay	Work on lab outlines
Tuesday, 1-20	<b>Outline for IA #1 Due</b>	<u>Assignment 4.3-1 (due 1-22)</u> p. 204/1-3 (plus add #4—reproduce table p. 202) p. 209/1-3 (consider #3)
Thursday, 1-22	Collect 4.3-1 Assignment	<u>Assignment 4.3-2: (due 1-26)</u> p. 210/1-5
Monday, 1-26	Collect 4.3-2 Assignment	
Wednesday, 1-28		Study for Unit 4 Test/work on write-ups
Friday, 1-30		Study for Unit 4 Test/work on write-ups
Tuesday, 2-3	<b>Unit 4 Test</b>	Assignment 5.1 and 5.2 (due 2-5) p. 216/1-5 p. 219/1-4
Thursday, 2-5	Collect 5.1 and 5.2 Assignments	Work on write-up IA #1
Monday, 2-9	<b>Write-up IA #1 Due</b> Return Unit 4 Test/Review	Assignment 5.2-2 (due 2-11) p. 221/1-6 p. 222 1-4 (consider #4)
Wednesday, 2-11	Collect 5.2-2 Assignment	Assignment 5.3 (due 2-13) p. 227/1-3 p. 231/1-3 p. 234/1-5
Friday, 2-13	Collect 5.3 Assignment	Complete outline for IA #2
Wednesday, 2-18	<b>Outline IA #2 Due</b>	Assignment 5.4 (due 2-20) p. 237/1-6 p. 240/1-4 (consider #4) p. 241/1-3 (consider #3) (due 2-21)
Friday, 2-20	Collect 5.4 Assignment	Assignment 5.5 (due 2-24) p. 246/1-3 (skip #4) p. 248/1-5

Tuesday, 2-24	Collect 5.5 Assignment	Assignment 5.6-1 (due 2-26) p. 251/1-4 p. 253-1-4 p. 255/1-4
Thursday, 2-26	Collect 5.6-1 Assignment	Assignment 5-6-2 (due 3-2) p. 256/1-3 (skip #4) p. 259/1-4 p. 261/1-4
Monday, 3-2	Collect 5.6-2 Assignment	Assignment 5.7 (due 3-4) p. 263/1-3 (maybe do #4 as a class) p. 265/1-3 (maybe #4 as a group) p. 268/1-2 (skip #3 and #4, just look over)
Wednesday, 3-4	Collect 5.7 Assignment	Assignment 5-8 (due 3-6) p. 270/1-3 (#4 together) p. 272/1-3 p. 273/1-3, 4a (skip 4b) p. 274/1-4
Friday, 3-6	Collect 5.8 Assignment <i>Potential Field trip to C&amp;I Electronics</i>	Study for Unit 5 test/Work on lab write-up (Note: end of 3 <sup>rd</sup> grading period)
Tuesday, 3-10	<b>Test: Unit 5</b>	Work on lab write-up
Thursday, 3-12	IA work day	
Monday, 3-16	<b>IA #2 Due</b>	Assignment: Unit 6 p. 283/1-3 p. 287/1-3 p. 288/1-3 p. 291/1-4 p. 294/1-4 p. 295/1-4
Wednesday, 3-18	Work day to finish up Unit 6 Assignments	
March 20-29	<i>Spring Break</i>	
Monday, 3-30	Review Ch. 6 Assignments	
Wednesday, 4-1	Watch Inconvenient Truth	
Friday, 4-3	Introduce Presentations	
Tuesday, 4-7	Presentation Work Day	
Thursday, 4-9	Discuss Exam Weighting (M11P1/Resource Book)	<i>Note: Predicted grades usually due around this date.</i>
Monday, 4-13	Review M11P2 Check Presentations for Wed.	
Wednesday, 4-15	Presentations 1-3	
Friday, 4-17	Presentation 4-6	
Wednesday, 4-22	Presentation 7-9	
Friday, 4-24	Presentation 10-12	
Tuesday, 4-28	Review Exams	

Thursday, 4-30	Review Exams	
Monday, 5-4	Review Exams	
Wednesday, 5-6	Review Exams	
Friday, 5-8	Review Exams	
Tuesday, 5-12	Review Exams	
Thursday, 5-14	Review Exams	
May 18-21	Finals Week	