

**Bio 100 Laboratory  
Spring 2009  
LS 232, Tuesdays 3:00**

**Dr. Kristin Hall**

**LS 208**

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**Office hours:**

Tuesdays 10:00-10:50

Thursdays 2:00-2:50

or by appointment

Required text: Laboratory Investigations for Biology, Jean Dickey, 2<sup>nd</sup> ed.

Lab	Week	Topic	
1	13 Jan 09	Process of scientific inquiry 1.1-1.3	
2	20 Jan 09	*pH and buffers 2.1, 2.2, 2.4, 2.5	Quiz 1
3	27 Jan 09	Using the microscope 4.1-4.2	Quiz 2
4	3 Feb 09	*Chromosomes and cell division 8.2-8.3	Quiz 3
5	10 Feb 09	Mendelian genetics 9.1	Quiz 4
6	17 Feb 09	*Microorganisms and disease 11.1-11.2	Quiz 5
7	24 Feb 09	<b>Lab Exam 1</b>	
8	3 Mar 09	Foraging Strategy 20.1-20.5	
9	10 Mar 09	*Cellular respiration 6.1, 6.3, 6.4	Quiz 6
10	17 Mar 09	Plant diversity 12.1-12.5	Quiz 7
11	24 Mar 09	Spring Break	
12	31 Mar 09	Animal diversity 13.1-13.9	Quiz 8
13	7 Apr 09	*Circulation 15.1-15.4	Quiz 9
14	14 Apr 09	Digestion 14.3-14.5	Quiz 10
15	21 Apr 09	<b>Lab Exam 2</b>	

\* indicates laboratories that may be used as topic for lab report paper

**Grading and Evaluation**

2 exams (100 points each)	200 points
10 quizzes (10 points each)	100 points
1 paper (50 points)	<u>50 points</u>
	350 points

Final grades will be determined by the following scale:

% of total points	Final Grade
90-100	A
80-89.9	B
70-79.9	C
60-69.9	D
<60	F

### **Guidelines for Paper**

As noted on the schedule above, certain labs are possible topics for the assigned paper. This should be a 2-3 page (typed, of course) lab report, covering the following information:

introduction

methods (in your own words)

observations and data

conclusions and final summary

Papers are due on date of lab during week of Apr 14th. You will be expected to site references for information used according to the MLA format. Keep in mind that you may choose an early lab for the report and write the paper before the end of the semester when schedules get very busy! Additional help may be obtained from the CSU-Pueblo Online Writing Lab (<http://www.colostate-pueblo.edu/owl>).

### **Attendance Policy and Guidelines**

1. Please arrive to the laboratory on time and prepared to participate (weekly quizzes will be given at the beginning of lab, so this is very important)
2. Turn OFF cell phones and pagers.
3. Attendance is mandatory! Each unexcused absence will result in a reduction of your lab grade by 10 points. Absence will only be excused for documented illness, death in the family or for university sanctioned events (athletics, forensics, etc.) as determined by the instructor and must be reported in advance.
4. If you miss lab due to an emergency, please contact the instructor as soon as possible. You are still responsible for all material covered. You may not attend a lab section other than the one for which you are registered without prior permission from the instructor.
5. No make up exams will be given except in extreme cases as determined by the instructor on a case-by-case basis.

6. Clean up after yourself before leaving the lab.
7. Make the most of your assigned time in the lab.

### **Laboratory Safety**

You are expected and required to follow the safety guidelines presented at the first lab session. In general, there are relatively few hazardous materials utilized in Bio 100 lab. However, laboratory specimens are preserved in fluid containing formaldehyde, formalin, and/or phenol (carbolic acid). Therefore, you should wear gloves when handling preserved material. Pregnant women should take extra precautions (consult your physician and inform the instructor of your pregnancy).

### **Students with Disabilities**

CSU-Pueblo abides by the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, which stipulate that no student shall be denied the benefits of an education "solely by reason of a handicap." If you have a documented disability that may impact your work in this class and for which you may require accommodations, you must be registered with and provide documentation of your disability to the Disability Services Office (located in the Psychology Building, room 232).

### **Academic Dishonesty**

You are expected to be honest and ethical in your academic work. Academic dishonesty in this class is subject to the disciplinary process outlined in the CSU-Pueblo Student Conduct Regulations. Academic dishonesty is defined as an intentional act of deception in one of the following areas:

1. Cheating-use or attempted use of unauthorized material, information or study aids
2. Fabrication-falsification or invention of any information
3. Assisting-helping another commit an act of academic dishonesty
4. Tampering-altering or interfering with evaluation instruments and documents
5. Plagiarism-representing the works or ideas of another person as one's own.