



The College of Staten Island  
Department of Biology  
Bio 107 - Principles of Biology I Laboratory  
Alexander D. McKelvy  
Fall 2013

**My Contact Information:**

Alexander D. McKelvy  
Email: [amckelvy@gc.cuny.edu](mailto:amckelvy@gc.cuny.edu) (Please use only your CSI email address)  
Phone: (718) 982-4209  
Office: 6S-116 Office Hours: By appointment  
Website: <http://www.library.csi.cuny.edu/~mckelvy/>

**Course Meeting Times:**

Fridays, 8:00 AM to 9:55 AM  
Room: 6S-009  
Please pay special attention to the academic calendar for classes following a different schedule.

**Come prepared:** Read your book for the lab as well as associated lecture sections. There will be a weekly quiz that covers the material from the last lab, as well as a small amount of reading comprehension for the lab we are doing that day.

**Grading:**

Your grade breakdown will be as follows:  
Weekly quizzes: 67%  
Final Exam: 33%  
I follow the generous guidelines of the Biology Department. They are as follows:

Final Letter Grade	Quality Points Per Credit	Percent
A	4.0	90-100%
A-	3.7	88-89%
B+	3.3	85-87%
B	3.0	80-84%
B-	2.7	78-79%
C+	2.3	75-77%
C	2.0	70-74%
D	1.0	60-69%
F	0.0	0-59%

**Behavior:**

Distractions are not permitted. The goal of this lab is to learn introductory biological principles and connect them with your lecture. No cell phones, personal media players, food or drink in lab. In testing situations, I will stop handing out materials the moment anyone leaves the room, so it is in your best interest to be on time.

**Absences:**

According to CUNY policy, missing more than two labs unexcused (15% of credit hours) results in an automatic failure. There are no "make-up" labs. Please speak with me in advance about any conflicts.

Nothing less than a medical note stating that you were unable to attend will be accepted. Complaints of colds, headaches, sprains, strains, hangovers, late busses, abduction by aliens etc. will not be accepted.

Important note – I will not under any circumstances accept any note from a chiropractor. This field was founded in 1895 by Daniel David Palmer, a grocer and "magnetic healer" who believed that all diseases are the result of misplaced spinal bones that interfere with "innate intelligence". Chiropractors are not physicians and are not qualified to diagnose, treat or otherwise attend to any disease or affliction.

**Academic Honesty Policy:**

You are here to further your own education. It is in your best interest that you do your own work.

Please review the Academic Integrity Policy of CUNY (Part of it follows below). No exceptions are made. Academic Dishonesty is prohibited in The City University of New York and is punishable by penalties, including failing grades, suspension and expulsion. I strongly encourage you not to test your luck.

[http://www.csi.cuny.edu/privacy/cuny\\_academic\\_integrity.pdf](http://www.csi.cuny.edu/privacy/cuny_academic_integrity.pdf)

Cheating is the unauthorized use or attempted use of material, information, notes, study aids, devices or communication during an academic exercise.

The following are some examples of cheating, but by no means is it an exhaustive list:

- Copying from another student during an examination or allowing another to copy your work.
- Unauthorized collaboration on a take home assignment or examination.
- Using notes during a closed book examination.
- Taking an examination for another student, or asking or allowing another student to take an examination for you.
- Changing a graded exam and returning it for more credit. Submitting substantial portions of the same paper to more than one course without consulting with each instructor.
- Preparing answers or writing notes in a blue book (exam booklet) before an examination. Allowing others to research and write assigned papers or do assigned projects, including use of commercial term paper services.
- Giving assistance to acts of academic misconduct/ dishonesty.
- Fabricating data (all or in part).
- Submitting someone else's work as your own.
- Unauthorized use during an examination of any electronic devices such as cell phones, palm pilots, computers or other technologies to retrieve or send information.

Plagiarism is the act of presenting another person's ideas, research or writings as your own.

The following are some examples of plagiarism, but by no means is it an exhaustive list:

- Copying another person's actual words without the use of quotation marks and footnotes attributing the words to their source.
- Presenting another person's ideas or theories in your own words without acknowledging the source.
- Using information that is not common knowledge without acknowledging the source.
- Failing to acknowledge collaborators on homework and laboratory assignments.

Internet plagiarism includes submitting downloaded term papers or parts of term papers, paraphrasing or copying information from the internet without citing the source, and "cutting & pasting" from various sources without proper attribution.

**References for Biology:**

Biology Tutoring Center at College of Staten Island:

Room: 1A-108A

Bring your book, notes, and syllabus with you to the tutoring center.

NATURE Education:

<http://www.nature.com/scitable>



*Heterodon platirhinos*, (Eastern Hognose Snake) Carbon County, Pennsylvania

# Course Schedule

Date	Topic	Lab Manual Activity	9 <sup>th</sup> Edition Reading	10 <sup>th</sup> Edition Reading	11 <sup>th</sup> Edition Reading
Aug 30	Metric Measurement and Microscopy <i>Prepared slides Onions, Euglena</i>	2	9-28	9-26	9-26
Sep 20	Cell Structure and Function <i>Models and prepared slides Elodea wet mounts</i>	4, part	43-48	41-46	41-46, 56
Sep 27	Chemical Composition of Cells <i>Tests for protein, starch, sugars, lipids</i>	3	29-41	27-40	27-39
Oct 4	Diffusion, Osmosis, and Dialysis; pH <i>Dialysis Tonicity in potato, Elodea and red blood cells</i>	4, part	49-58	47-56	47-56
Oct 11	Enzymes <i>Catalase activity</i>	5	59-66	57-64	57-66
Oct 18	Cellular Metabolism I: Respiration and Fermentation	7	77-82	75-82	77-83
Oct 25	Cellular Metabolism II: Photosynthesis Lab procedure follows handout	6	67-76 handout	65-74 handout	67-76 handout
Nov 1	Animal Organization <i>Prepared slides</i>	25	341 - 356	357-372	353-368
Nov 8	Cardiovascular System <i>Sheep heart dissection Models &amp; prepared slides Stethoscopes</i>	25, 27, 29	349, 351 383-388, 410	397-402 365-367 412, 413	361-363 384-387 398 410-414
Nov 15	Urinary System <i>Sheep kidney dissection &amp; urinalysis Models</i>	27, part 29, part	372-373 404-409	388-389 420-426	390-391 418-424
Nov 22	Nervous System Sheep brain dissection Models & prepared slides	30, part	413-419	429-435	425-432 443
Nov 27	Sense Organs <i>Cow eye dissection Model of human skin Tuning forks</i>	30, part	420-430	436-448	432-443
Dec 6	Reproductive System <i>Model &amp; prepared slides Review for final</i>	27, part	371-381	387-395	391-398
Dec 13	<b>FINAL PRACTICAL EXAM – COVERS ENTIRE SEMESTER</b>				