Bio 101 Lab Schedule Alexandria Campus – Fall 2018 – 14 Week

Laboratory Instructor Information Name:_____ **Email:**_____

Office Hours and Location:_____ **Phone:**_____

Lab	Dates	Topics (points)	Lab Manual Exercise
1	Sep 7	ASC and Writing Center Presentation – Science Success Library Presentation and Assignment (**10 pts**) Writing Assignment Due Sep 14	
2	Sep 14	Introduction & Lab Safety Smithsonian Assignment (**10 pts**) – Due Dec 7 Scientific Investigation Write up Hypothesis, Materials and Methods, Results and Conclusion (**10 pts**) – Due Sep 21	Lab 1: p. 1 Appendix: p. 131
3	Sep 21	Evolution Simulation: Predator-Prey Partial Lab Report (**10 pts**) – Due Sep 28	Lab 2: p. 13
*** Bring goggles for the next two labs ***			
4	Sep 28	Macromolecules*** (**10 pts**)	Lab 3: p. 19
5	Oct 5	Enzymes*** (**10 pts**)	Lab 4: p. 31
	Oct 12	**Non-Instructional Days Monday and Tuesday – No Labs** Smithsonian Assignment – On your own	Printout
6	Oct 19	Cell Structure: Observing Cells Under the Microscope (**10 pts**)	Lab 5: p. 43
7	Oct 26	Diffusion and Osmosis Write up Complete Lab Report (2**0 pts**) – Due Nov 9	Lab 6: p. 63
*** Bring goggles for the next two labs ***			
8	Nov 2	Cellular Respiration*** (**10 pts**)	Lab 7: p. 79
9	Nov 9	Photosynthesis*** (**10 pts**) **Lab Report Due on Diffusion and Osmosis**	Lab 8: p. 89
10	Nov 16	Cell Cycle: Mitosis and Meiosis (**10 pts**)	Lab 9: p. 99
	Nov 23	**Thanksgiving Holiday – No Labs**	
11	Nov 30	DNA Structure and DNA Profiling (**10 pts**) Genetics Problems and Pedigree Analysis	Lab 10: p. 107 Lab 11 p. 119
12	Dec 7	Lab Final Exam **(30 pts)** **Smithsonian Assignment Due**	
	Dec 14	**TBA**	

**** YOU MUST BRING YOUR SAFETY GOGGLES AND WEAR THEM FOR LABS 4, 5, 8 AND 9 ****

All written work outside of lab must be typed

Lab Web Page: *http://blogs.nvcc.edu/albio/*

BIO 101 LABORATORY GRADING AND POLICIES FALL 2018

Books and Materials: *General Biology I Bio 101 Laboratory Manual, customized for NVCC, Alexandria (2018) by Zorin and Rupert (REQUIRED)* must be purchased at the Alexandria bookstore and must be brought to each lab.. You must provide your own notebook paper, graph paper, pencils, eraser, calculator, and safety goggles that are both **chemical splash resistant and impact resistant.** All of these are available for purchase at the Alexandria Campus Bookstore in the Fine Arts Building. A student will **NOT** be permitted to perform the four labs indicated by ******* on the schedule without proper goggles.

Attendance: You are expected to attend your scheduled lab section every week on time. If you are more than 10 minutes late, you will not be permitted to attend lab that day, and it will count as an absence. **Your instructor will take attendance each week, and if you were not present to do the lab work, written assignments about that work will not be accepted the following week.** You must be registered for both lab and lecture at the same campus.

Grading: Your lab grade counts for 30% of your final grade in Biology 101. In order to be eligible to pass BIO 101, you may miss no more than three labs during the course of the semester. Your work for each lab will be evaluated based on written work submitted; this may be a quiz, a lab report, or other written work as directed by your instructor. Each week's work will be worth 10 points, except the complete Lab Report on Diffusion and Osmosis (20 points) and the Final Exam (30 points). All written work done outside of class must be typed and turned in on time. Any late assignments will either be downgraded 10% per day or not accepted at all, according to your instructor's guidelines. Your instructor will DROP YOUR LOWEST 10-POINT GRADE before calculating your lab grade, which will be based on 150 points. You may not drop either the Lab Report or the Final Exam. If you miss a 10-point lab, that will be the grade which is dropped. If you miss more than one lab, a grade of 0 will be averaged in for each additional missed lab.

Make-up Labs: There will be no unexcused make-up labs offered, no exceptions.

Special Needs and Accommodations: Please see the instructor about any special problems or needs at the beginning of the semester. If you are seeking accommodations based on a disability, you must provide a disability data sheet, which can be obtained from the counselor for special needs.

Writing Assistance: For free, personalized, half-hour conferences on writing assignments, including lab reports, call or go to the Writing Assistance Center in Room 229, Bisdorf Building, 703-845-6363.

Cleaning Up: All working areas, equipment, and supplies in the lab must be kept clean, neat, and in good condition. You are expected to clean up after each lab and to treat all equipment and supplies with care. Your instructor will check the lab after each session, and if it is not cleaned appropriately, 10% will be deducted from the grade of every student in the class for that lab. Please use the lab lockers to store your coats and any books not used during class; these are absolutely not to be placed on the lab bench tops.

Cheating: Cheating includes giving or receiving assistance when you are expected to work on your own, plagiarism, and presenting data or information as your own when they are not. If anyone is caught cheating in lab, he or she will fail the laboratory portion of the course.

You will be required to leave the lab if:

(1) You are more than 10 minutes late to class

(2) You are wearing open-toed (or other inappropriate) shoes

(3) You are not wearing goggles or protective covering (when required)

(4) You are breaking any safety rules, are endangering others, or are disruptive.

THERE WILL BE NO EXCEPTIONS TO THESE REGULATIONS!

If you are asked to leave the lab, it will count as an absence

Associate Dean reserves the right to alter this document at his/her discretion during the semester.