

Lab Report Grading Rubric

Student Name: _____

Lab Title: _____ Date of Experiment: _____

	1 Beginning or incomplete	2 Developing	3 Accomplished	4 Exemplary	Score	Weight	Earned
Abstract	Several major aspects of the experiment are missing, student displays a lack of understanding about how to write an abstract.	Single or multiple paragraphs. Clearly states the objective. Abstract misses one or more major aspects.	Single paragraph. Clearly states the objective. Includes most of the major aspects of the experiment, some minor details are missing. All important findings are reported numerically.	Single paragraph. Clearly states the objective. Briefly mentions methods and results. Clearly states the main conclusions. All important findings are reported numerically.		x 3	
Introduction	Very little background information provided or information is incorrect. Does not state the objective of the experiment.	Introduction contains very little background information (missing some major points). Objective of the experiment is in the introduction, but may or may not be clear.	Background information is not completely sufficient, and/or background information seems disconnected from the experiment, but the objective of the experiment is clearly stated.	Gives sufficient background such that an educated reader can understand the reason for performing the experiment and all necessary background principles for the experiment. Clearly states the objective of the experiment.		x 2	
Experimental procedure	Missing several important experimental details such that a classmate could not replicate the experiment.	Missing some important experimental details	Important experimental details are covered, some minor details missing	Written with level of detail necessary for a classmate to replicate the experiment.		x 1	
Results	Does not report pertinent data collected during the experiment. Tables or graphs contain errors or are poorly constructed or handwritten, have missing titles, captions or numbers, units missing or incorrect, etc.	Reports sufficient data. Most tables or graphs are drawn using MS Excel, some still missing some important or required features	Reports all appropriate data. Draws attention to trends or major findings. Includes the purpose of having each figure and table. All tables and graphs are correctly drawn using MS Excel, but have some minor problems or could still be improved	Reports all appropriate data. Draws attention to trends or major findings. All tables and graphs contain sufficient information to be understood and made using MS Excel. Includes the purpose of having each figure and table. All figures and tables are numbered and captioned correctly, with complete and descriptive captions. Captions for tables go above the table; captions for figures go below the figure.		x 4	
Discussion	Very incomplete or incorrect interpretation of trends and comparison of data indicating a lack of understanding of results	Some of the results have been correctly interpreted and discussed; partial but incomplete understanding of results is still evident	Almost all of the results have been correctly interpreted and discussed, only minor improvements are needed. Provides some reasoning for	All important trends and data comparisons have been interpreted correctly and discussed, good understanding of results is conveyed. Includes a comparison to theoretical		x 5	

			negative or unexpected results if appropriate.	and/or published values. Provides scientific reasoning for unexpected or negative results if appropriate.				
Conclusions	Conclusions missing or missing the important points	Clearly states the objective. Conclusions regarding major points are drawn, but many are misstated, indicating a lack of understanding	Clearly states the objective. All important conclusions have been drawn, could be better stated.	Clearly states the objective. All important conclusions have been clearly made, student shows good understanding.		x 2		
Spelling, grammar	Frequent grammar and/or spelling errors. Writing style is poor and difficult to understand.	Occasional grammar/spelling errors, generally readable with some rough spots in writing style	Less than 3 grammar/spelling errors, mature, readable style	All grammar/spelling correct and very well-written		x 1		
Readability	Handwriting is unreadable.	Handwriting is partially readable.	Handwriting is readable.	Excellent handwriting and readable.		x 1		
Literature Cited	References are listed in some format. References are not cited in the text.	Some references are cited in the text and listed in a references cited section, however, formatting is incorrect for all references, or insufficient or inappropriate references are used.	Sufficient and appropriate sources cited. Sources are cited in the text. Most references are formatted appropriately according to APA format.	Sufficient and appropriate sources cited. Sources are cited appropriately in the text (Author, Year). All references are formatted appropriately according to APA format.		x 1		
Lateness	<1hr late (-10)	1-24hr late (-30)					/80	
TOTAL								/10

Students whose report contains evidence of any cheating receive a letter grade of F.